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Chrysanthemums



·1921·

CHAS. H. TOTTY COMPANY
MADISON, N.J.

FOREWORD

INTRODUCING our Eighteenth Annual Catalogue to our many friends and customers, we take pleasure in being able to offer a wonderful list of new Chrysanthemums from Mr. Thos. Pockett, of Australia, that is "better than ever before." These Exhibition types are now so well known on account of their gigantic size and wonderful colors, that further eulogy is unnecessary, except to say that this 1921 list will more than uphold the reputation of the originator in this country. While stock of some varieties is limited, still we hope to take care of our customers in the best possible manner, on these splendid Chrysanthemums.

The Improved Novelty Pompons have become immensely popular for growing outdoors all over the United States, on account of their fascinating colors, easy culture and size of the flowers, which are about four times as large as the Button or old-fashioned type of Pompons. We endeavor in every case to supply only the newest and best each succeeding year.

In the Garden Roses, we call particular attention to Golden Ophelia, the yellow seedling of the popular Ophelia, and Paul's Scarlet Climber. This latter variety is not a tall climbing Rose but in its season is a mass of brilliant scarlet flowers that are extremely showy. When generally distributed this will be grown in every garden.

Dahlias are rapidly coming to the front and we offer in our Novelties the "cream" of the kinds exhibited in the New York Dahlia Shows. All are worthy of your attention.

Come and see us in Madison, New Jersey, located on the D. L. and W. Railroad, about one hour's ride from New York. We will do our best to make your visit interesting.

SPECIAL NOTICE

Please make sure your letters are addressed MADISON, NEW JERSEY, as there is considerable delay when addressed or sent to Madison, New York.

CHARLES H. TOTTY COMPANY

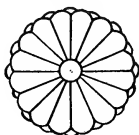
Madison

New Jersey



Charles H. Totty
Company

MADISON · N. J.





The Pockett-Totty Set for 1921



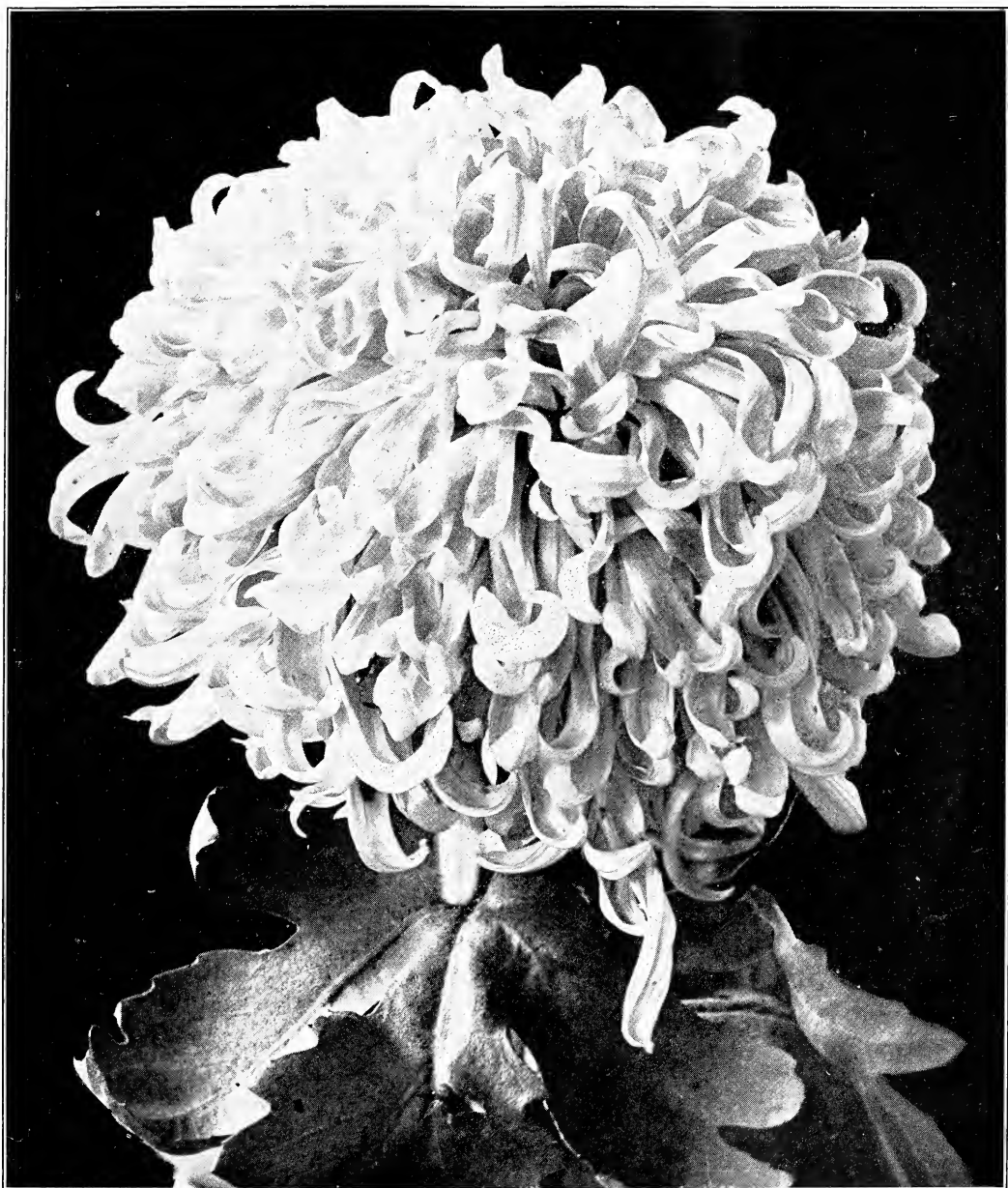
ADMIRAL BEATTY

Color blush-white, with very stiff, heavy petals. One of the strongest growing varieties we have had the pleasure of introducing to the trade, stem and foliage being alike, enormous. This variety comes to us by way of England, where it was named. Height 5 feet, bud August 15th, onward.

Price: \$2.00 per plant, \$20.00 per doz.



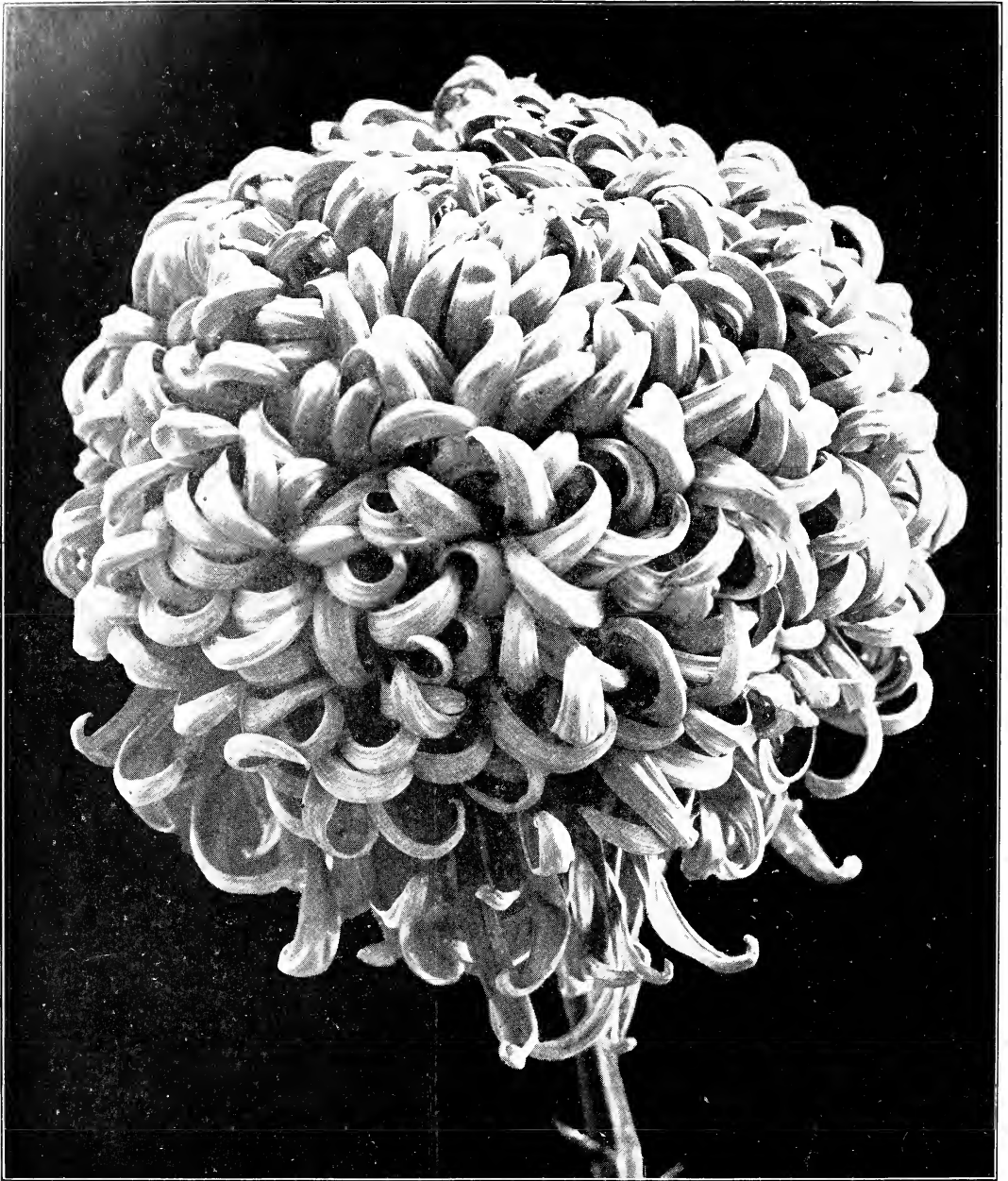
THE POCKETT-TOTTY SET FOR 1921—*Continued*



ROSE DAY

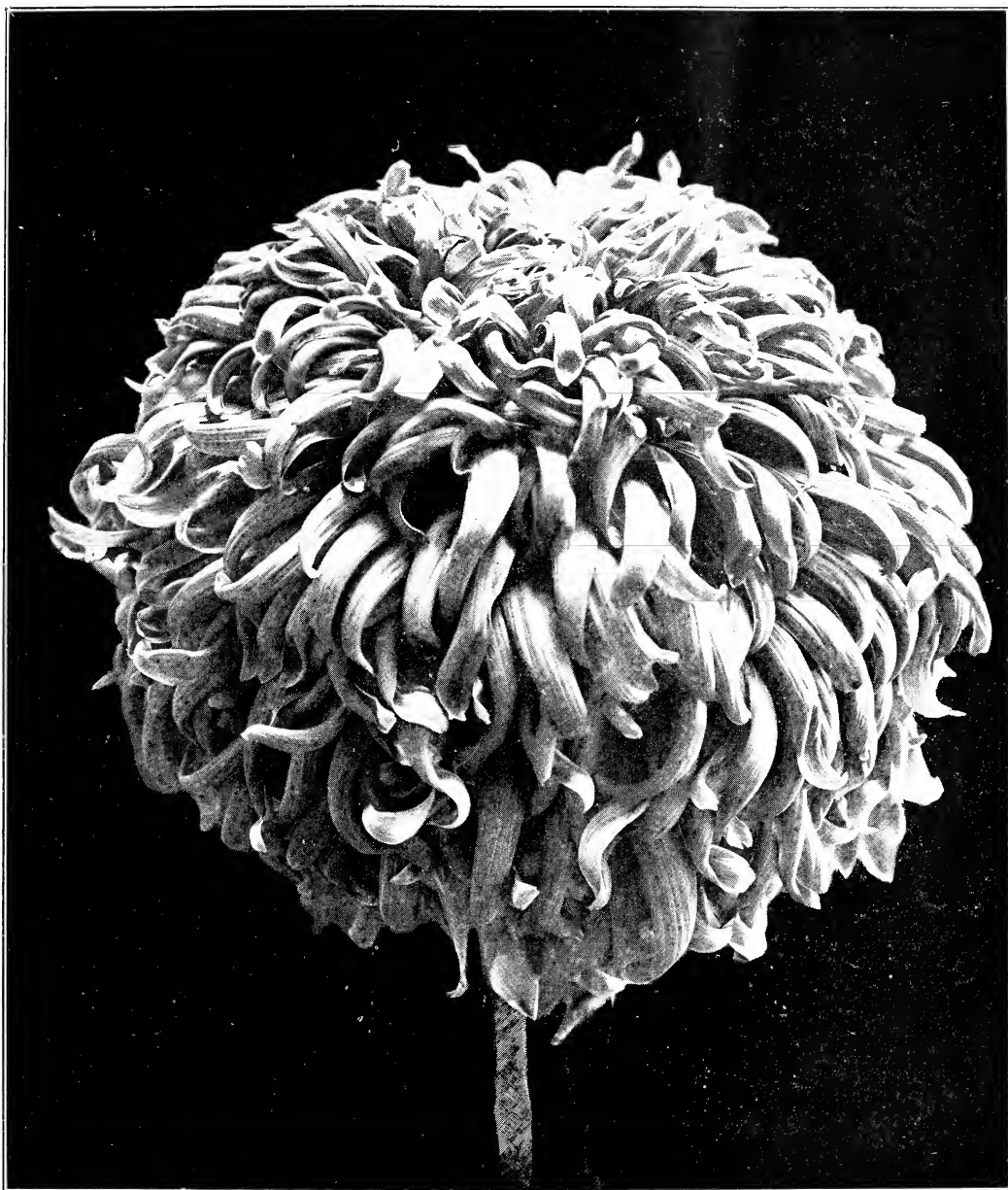
One of Pockett's masterpieces, and named in honor of his daughter. An exquisite flower of rose-pink; the lower petals droop and the upper petals are beautifully incurved. Foliage carried right up to the flower on immense stems holding up the growth which is most vigorous and healthy. Height, 4 feet, bud August 20th, onward. Stock limited.

Price: \$2.00 per plant, \$20.00 per doz.

**THE POCKETT-TOTTY SET FOR 1921—*Continued*****MRS. E. KERSHAW**

A splendid, warm bronze, with immense petals and most artistically arranged. Tremendous growth of foliage and stem. A color that is sure to please the exhibition grower. Height 5 feet. Bud August 15th, onward.

Price: \$2.00 per plant, \$20.00 per doz.

THE POCKETT-TOTTY SET FOR 1921—*Continued***MISS RUTH TWOMBLY**

Flowers absolutely perfect in form; color on the early buds occasionally veined with bronze and the later buds show considerable suffusion of this bronzy tint. This variety will line up with the best we have received from Pockett to date. More distinct than any other bronzy-yellow, we are growing. Height $4\frac{1}{2}$ feet. Bud August 15th, onward.

Price: \$2.00 per plant, \$20.00 per doz.

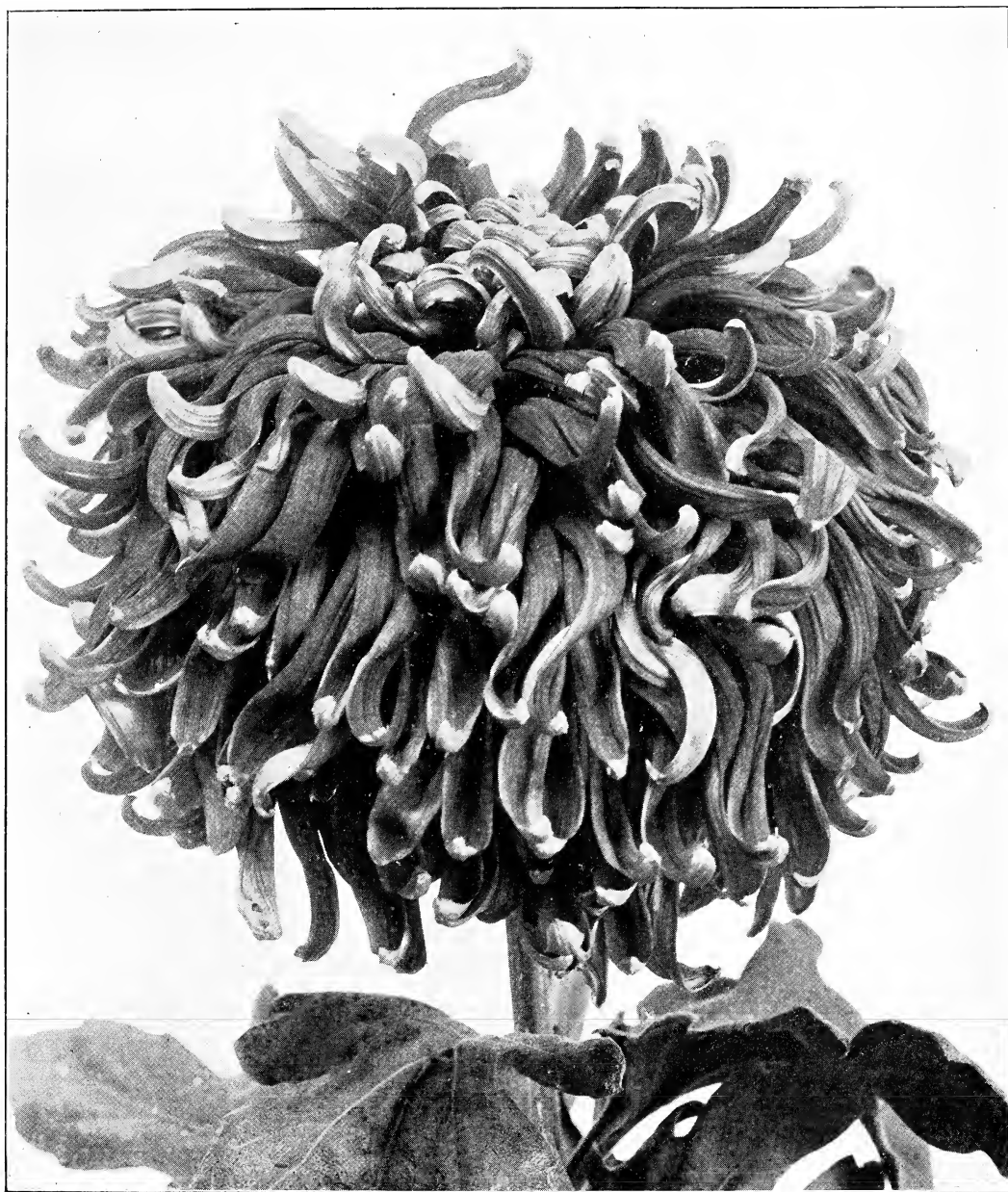
THE POCKETT-TOTTY SET FOR 1921—*Continued*



GLENARTNEY

Chamois-buff with chestnut reverse. Very fine grower with splendid foliage which is carried right up to the flower. A variety we can strongly recommend to everyone. Height $5\frac{1}{2}$ feet. Bud August 15th, onward.

Price: \$2.00 per plant, \$20.00 per doz.

THE POCKETT-TOTTY SET FOR 1921—*Continued***MRS. DAVID LLOYD GEORGE**

A variety that comes to us from England. Color brilliant crimson with a golden reverse which shows here and there through the flower in a most pleasing manner. Most quickly described as the color of the old time Pockett's Crimson at its best. A fine variety to be used for collections. Height $4\frac{1}{2}$ feet. Bud August 25th, onward.

Price: \$2.00 per plant, \$20.00 per doz.

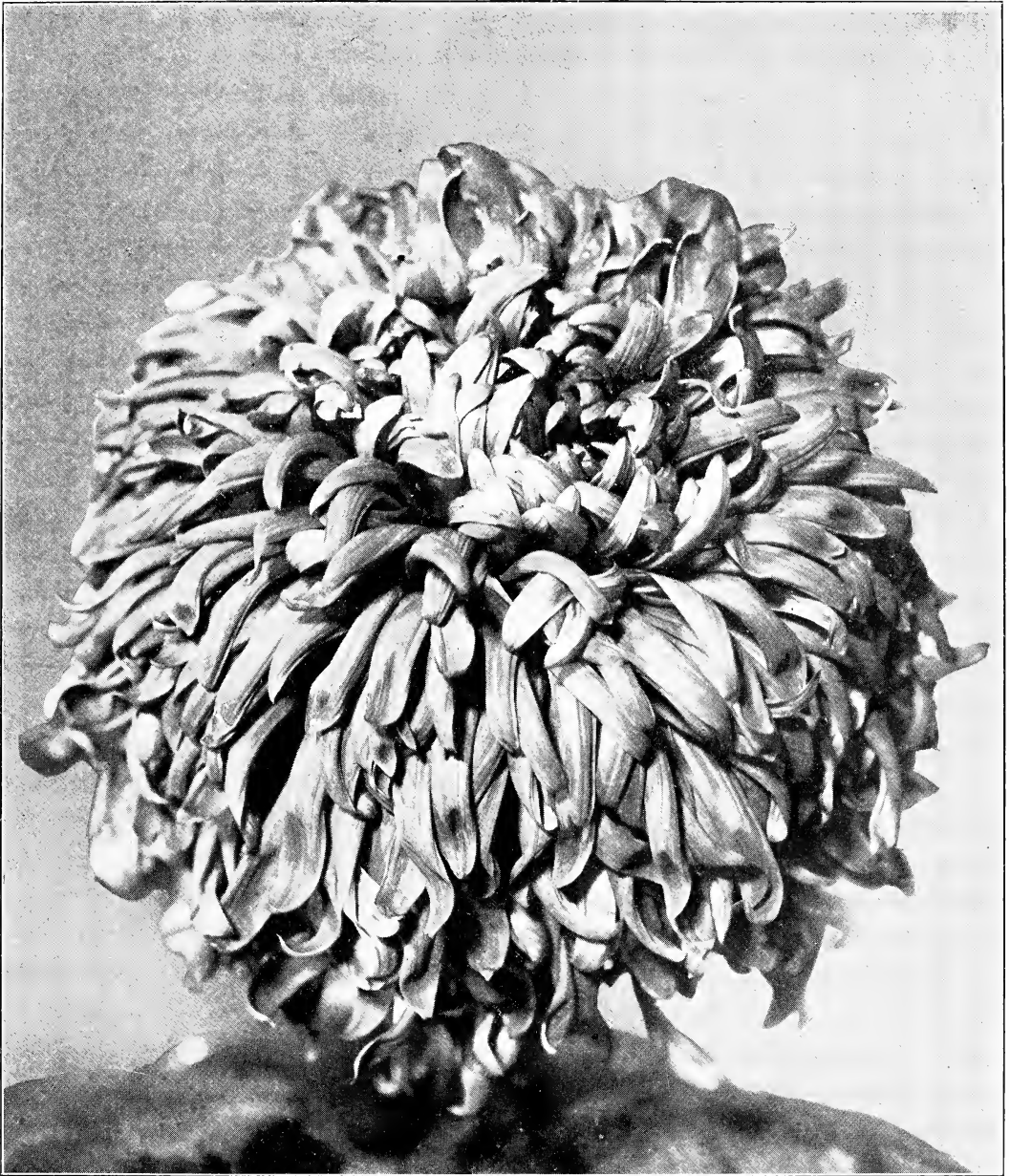
THE POCKETT-TOTTY SET FOR 1921—*Continued***MRS. JEFFRIES**

Deep old rose, with a tan reverse; very novel in color. Medium-sized flowers of dwarf, robust habit which will be largely grown as a pot plant. Season of bloom, November 15th, onward. Most unique in color and on this account should be popular.

Price: \$2.00 per plant, \$20.00 per doz.



THE POCKETT-TOTTY SET FOR 1921—*Continued*



PHILIP RICCI

May be best described as an improvement on Chas. H. Totty, which has been for years the standard chestnut-bronze in the exhibition type. Petals long and graceful, with the habit of the plant leaving nothing to be desired in foliage or stem. Height 5 feet. Bud August 15th and later.

Price: \$2.00 per plant, \$20.00 per doz.

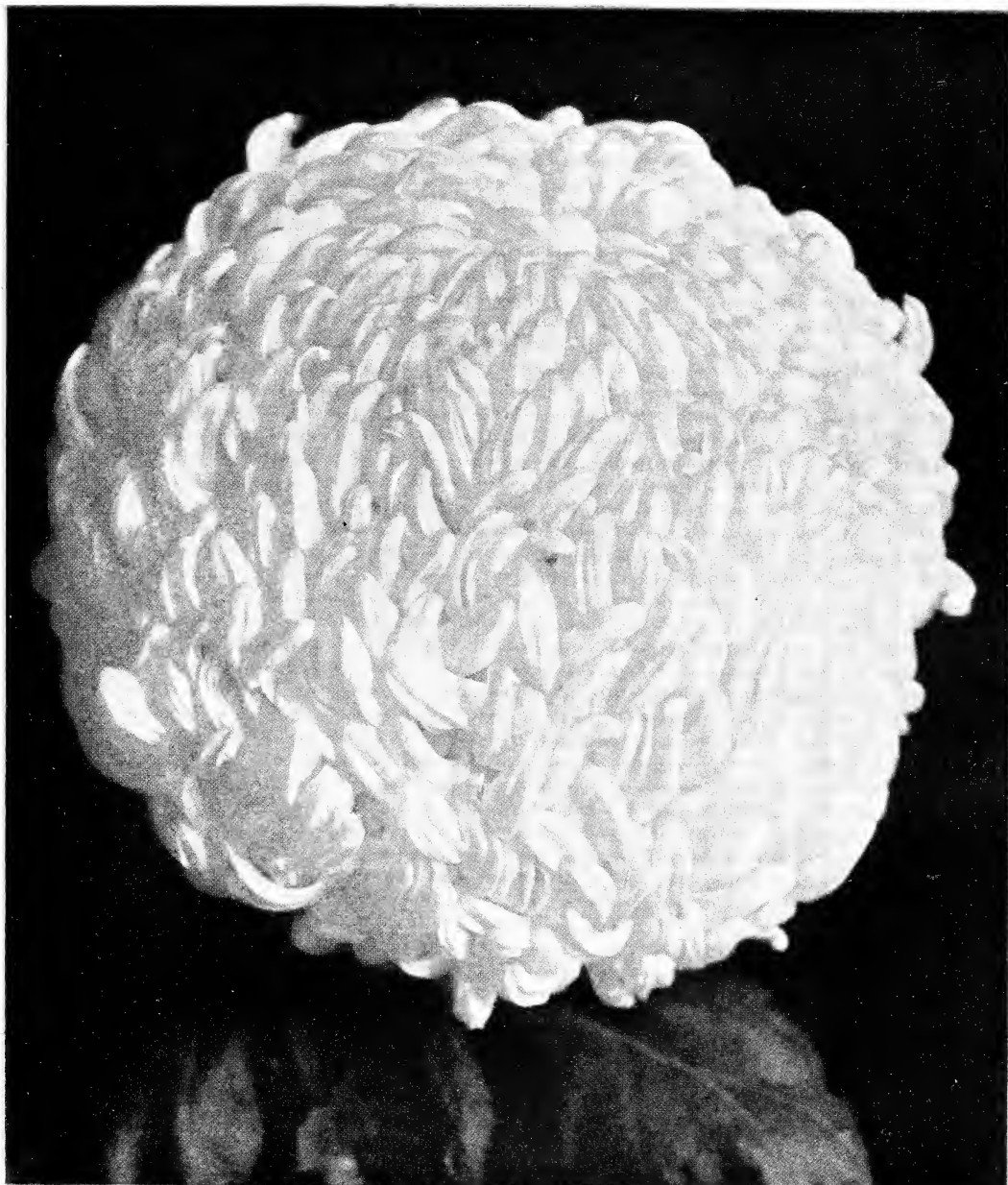
**THE POCKETT-TOTTY SET FOR 1921—*Continued*****YELLOW POCKETT**

Light yellow sport of that popular and handsome variety Louisa Pockett. Equally as large in size, strong in growth and identical in every way except color which is clear maize yellow. Those exhibitors who are growing Louisa Pockett successfully will welcome this yellow addition. Stock limited.

Price: \$2.00 per plant, \$20.00 per doz.



TOTTY'S NOVELTIES FOR 1920



MRS. J. LESLIE DAVIS (*Pink Turner*)

We consider it a great privilege to present this pink sport of Turner to our customers. We introduced the original variety (white) in 1912, and two years ago we introduced the yellow variety. With the pink sort we are now introducing, it completes the trio. It is absolutely identical with Turner in every respect save color, which is a clear lavender-pink. The growth and habit are a duplicate of the original parent and no other description is necessary. Pink Turner will find a premier place on its own merits. Height 5 feet.

Price: \$1.00 per plant, \$10.00 per doz.



KATHERINE TWIGG

Chrysanthemum Novelties for 1920

ELIZABETH JAMISON

Purest white. Petals irregularly twisted and curved at the tips. Plant is very strong in growth, about 6 feet in height under favorable conditions. Foliage carried completely up to the flower, and the stem is perfectly rigid and splendid for the long-stemmed class.

Price: \$1.00 per plant, \$10.00 per doz., \$70.00 per 100.

KATHERINE TWIGG

White, with the faintest possible blush on petals. When well grown is a very fine flower, perfect in form and substance. Will rank with the finest of exhibition flowers. Growth about 5 feet in height. Bud August 20th.

Price: \$1.00 per plant, \$10.00 per doz., \$70.00 per 100.



SIR E. LETCHWORTH

MEUDON SURPRISE

A sport of the well-known Meudon, which will be invaluable when well distributed. Color, pale fawn and maize yellow, with rose pink shadings on the petals. This will make a welcome addition to the Novelty colors in the exhibition classes of "twenty-four distinct varieties." Very robust in habit.

Price: \$1.00 per plant, \$10.00 per doz., \$70.00 per 100.

MRS. CHAS. W. JOHNSON

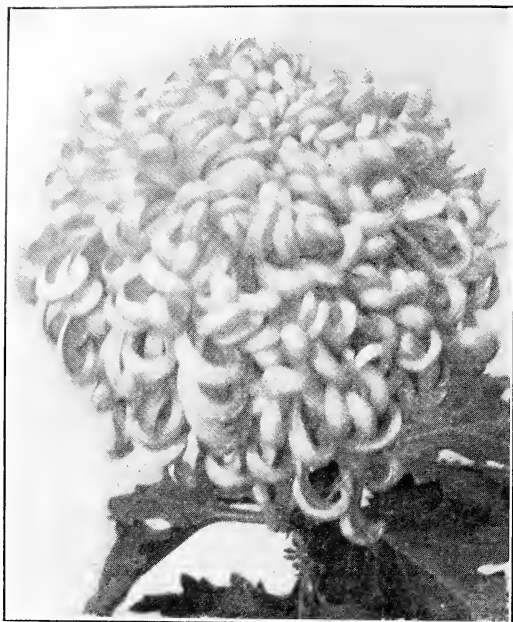
Purest possible white, raised and named by the Secretary of the C. S. A. and certificated by this Society. Height about 4 feet. Bud August 25th and later. The foliage in this variety is carried right up to the flower and the stem is very rigid. Scored 97 points before C. S. A. Committee.

Price: \$1.00 per plant, \$10.00 per doz., \$70.00 per 100.

SIR E. LETCHWORTH

Deep rose-pink with a slightly paler reverse. We are very short on exhibition pinks at this time and Sir E. Letchworth will fit in splendidly, as it will fill this long-felt want. The foliage and flower are alike, ideal. Medium height about 3 feet, and any bud taken after August 15th seems to develop splendidly.

Price: \$1.00 per plant, \$10.00 per doz., \$70.00 per 100.



CORPORAL J. FRED. PIPER



DELIGHT

THE 1919 INTRODUCTIONS

Price: 50c. per plant, \$5.00 per doz., \$35.00 per 100.

CORPORAL J. FRED. PIPER

Immense yellow on the type of the old Col. Appleton, but much larger, and altogether better in color and growth. Stem and foliage ideal. Corp. Piper, is assured of a hearty welcome from growers of exhibition blooms looking for a really fine yellow. Crown bud any time after August 20th. Height 5 feet.

DELIGHT

An immense reflexed pink that was awarded the Certificate of the C. S. A. Scored 92 points. Color, clear, bright rose. Size enormous. Stem perfectly stiff and able to support the flower perfectly. Any bud after August 15th. Height 3½ to 4 feet.

SERGEANT WM. E. YOUNG

An enormous bronze, larger and heavier than W. H. Waite, though hardly so bright in color. One of the kind that is indispensable for short stem classes. Stem fully able to carry the flower erect. This variety will make a place for itself among all exhibitors. Bud after August 15th onward. Height 5 feet.

VERMONT

This variety won the C. S. A. Silver Cup in New York, 1918 Fall Show, for the best new variety not yet in commerce. It is a most welcome addition to our exhibition list of pinks. The flowers are of enormous size, reminding one very much of the old variety M. L. Rosseau. Every bud produces a perfect flower and we feel sure Vermont will rank as one of the very best pink varieties in cultivation. Bud August 1st to 15th. Height 5½ to 6 feet.



MRS. J. WILLIS BUHL



JOAN OF ARC

INTRODUCTIONS OF 1918

Price: 30c. per plant, \$3.00 per doz., \$20.00 per 100.

MRS. J. WILLIS BUHL

Crimson, of the very largest size and a welcome addition to this color, which is very much like Pockett's Crimson, but the plant is considerably taller in growth, running 5 to 6 feet. Bud about August 25th gives best result as to color, size and finish of flower.

MRS. H. S. FIRESTONE

The outstanding novelty of its year. It is wonderfully massive, stem perfectly rigid and foliage right up to the flower. Color pinkish, chamois-buff. This variety will be found invaluable in the classes calling for "any other color," in the exhibitions. Height 4½ feet. First bud after August 15th.

JOAN OF ARC

Named by President Wilson at the Cleveland Show. Very much like the old Pres. Carnot in type. Stem is absolutely stiff and easily able to carry the flower erect; foliage continues right up to the flower. Blooms are enormous in size and another year it will occupy a prominent place in the list of reflexed white 'Mums. Height 5 feet. Crown bud, August 15th and later.

REFLEXED LOUISA POCKETT

Duplicate of Louisa Pockett in every way except that the petals reflex instead of incurve, but in all other respects it is identical; having large foliage, strong stem and enormous flower. Height 5 feet. Buds taken late August or early September give best results.



Standard Varieties Exhibition Chrysanthemums

The following list are all splendidly adapted for exhibition and a few of them are useful for commercial purposes also, but they are placed in this section because they are more generally shown on the exhibition table.

Price: 20c. per plant, \$2.00 per doz., \$15.00 per 100, except where noted.

BOB PULLING

In this variety we have a wonderful 'Mum. Color pure yellow; flower is extremely large and comes right down to the foliage; the individual petals are one inch and a half in width and some 10 inches deep. Bud August 1st.

CRYSTAL GEM

Clear white, strong grower, very easily managed, with a high percentage of perfect blooms.

C. H. TOTTY

A glowing chestnut scarlet; flower, stem and foliage are alike enormous. One of the best all-around Chrysanthemums we have ever introduced to the American trade.

EARL KITCHENER

Amaranth, with a silvery reverse. An enormous flower in a color not too plentiful in exhibition 'Mums at the present time. Stem, foliage and flower are alike tremendous. Bud August 20th.

ELBERON

Large Japanese incurved, similar to Louiseau Rousseau in type and color; strong grower; stiff stem, with foliage well up to bloom.

F. S. VALLIS

Largest yellow in cultivation and indispensable for use in short vase classes.

HARVARD

Japanese reflexed, very dark crimson; in perfection November 15th and later.

LOUISA POCKETT

Color purest possible white. Mr. Pockett calls this his "greatest achievement," and has named it after his wife. Flower, stem and foliage are alike enormous. Plants need plenty of room to develop. Certificated C. S. A. Height 5 feet.

LADY HOPETOUN

Generally captures the prize for largest flower in the show. It is slightly weak in the neck, otherwise would be the finest of all pinks.

MRS. R. C. PULLING

Clear yellow; an English variety, tremendous in size, which has made a wonderful showing in some of the exhibitions. Height 5½ feet. Crown bud August 10th and later.

MRS. G. G. MASON

Very distinct variety; color blood red, with a gold reverse, though very, very little of the gold reverse appears. Its marvelous color will make it eagerly sought for in making collections. Height 5 feet. Crown bud August 20th.

MRS. J. GIBSON

A phenomenal variety. Enormous alike in stem, foliage and flower; color light pink, shading to deeper pink lines on ends of petals. We exhibited this variety 10½ inches deep and 10 inches across. Certificated, C. S. A. and scored 89 points. Height 4½ feet. Bud as soon as possible after August 1st.

MRS. GILBERT DRABBLE

On an early crown bud from August 10th, this variety produces a marvelous flower; petals are arranged in a whorl, rendering them most attractive. Price: 30c. per plant, \$3.00 per doz., \$20.00 per 100.

MRS. ERNEST WILD

Chestnut-crimson with bronze reverse; comes equally well on any bud, early or late. Height 5 feet. Foliage droops on stem, which permits of close planting of this variety.

MRS. O. H. KAHN

A first-class bronze; comes good on almost any bud, but produces the best colored blooms from buds taken August 20th or later. One of the best varieties in the bronze section.

MRS. G. LLOYD WIGG

Light yellow. One of the best varieties Mr. Pockett has ever sent out. Foliage right up to the flower and conforming in every respect to the ideal exhibition flower. Any bud after August 10th. Height 5 feet.

MEUDON

An immense flower of bright pink; same shade as Morton F. Plant. Habit of plant absolutely ideal. One of the strongest growers we have ever sent out. Dwarf grower, with beautiful foliage right up to the flower. Bud August 20th.

MISS ELVIA SCOVILLE

White sport of Wells' Late Pink, resembling the parent in every way except in color, and this is a pure clear white.



STANDARD VARIETIES EXHIBITION CHRYSANTHEMUMS—Continued

NAGIRROC (*Golden Champion*)

Finest exhibition bronze we have ever distributed; color, deepest glowing orange bronze, 45 inches in circumference; every petal reflexing, showing the color to the best advantage. This is the variety exhibited at the shows under the provisional name of Golden Champion. Every bud makes a splendid flower. Stem and foliage perfect. Height 5 feet. Any bud after August 15th. Certificated C. S. A.

NERISSA

Bright, rosy mauve. Fine form and stiff, upright growth, with rigid stem.

OCTOBER HERALD

Orange-yellow, similar in color to Old Gold or Modello; reflexing form, with somewhat twisted petals.

POCKETT'S CRIMSON

The greatest thing in its color ever sent out. Crimson with a gold reverse. Makes a flower 9 inches across; splendid grower, with foliage right up to the flower.

PRESIDENT JOHN EVERITT

Color, very unique chamois-buff; when first opening the petals are very closely incurved, forming a perfect ball, 27 inches in circumference. As the flower develops, the center petals open outward and show considerable of the bronzy-crimson reverse. Very dwarf, robust grower, and one of the largest flowers in the collection. This variety, with its enormous size and splendid habit will make its own place among the best "three exhibition bronze." Bud August 15th, onward. Height 3½ feet.



NAGIRROC (*Golden Champion*)

QUEEN MARY

When taken on a bud in July produces an enormous flower; too early for any but the earliest exhibitions. Pure white in color.

ROSE POCKETT

Old gold, shaded bronze. Purely an exhibition variety, but one of the finest kind sent out.

WM. RIGBY

(The Yellow Sport of Mrs. Gilbert Drabble)

Color beautiful bright canary yellow. Lower petals of this variety are 1½ inches in width. Exact duplicate of Mrs. Gilbert Drabble, except in color. Price: 30c. per plant, \$3.00 per doz., \$20.00 per 100.

WILLIAM H. WAITE

Color, deep warm bronze so brilliant as to seem almost shading to scarlet in some of the flowers. Bud early in August will develop, but bud taken around August 25th will show a more brilliant color. Height 4 to 5 feet. Certificated C. S. A.

WILLIAM TURNER

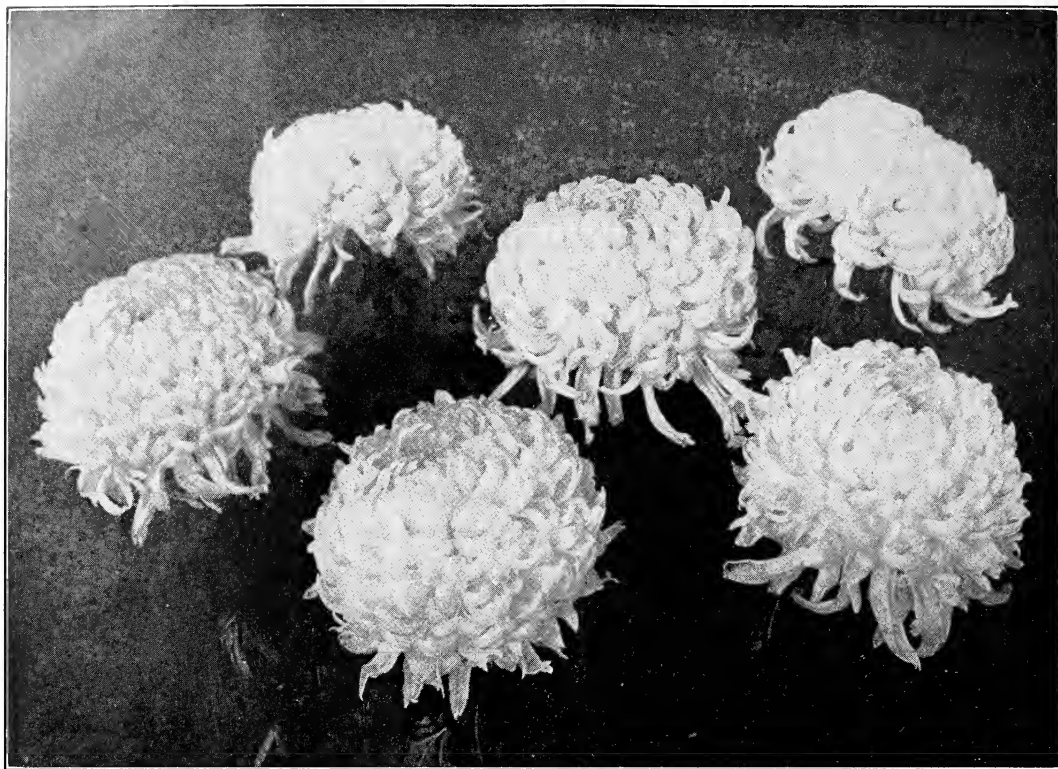
The best variety we have ever introduced; it has created a sensation when exhibited at the shows. Makes a perfect ball of the purest possible white. One of the best commercial kind also.

YELLOW WM. TURNER

A light yellow sport from Wm. Turner; identical with its splendid parent in every respect, except in color; will be one of the most widely grown yellows for this season.



WM. H. WAITE



ALICE DAY

Standard Varieties Commercial Chrysanthemums

Price: 15c. per plant, \$1.50 per doz., \$10.00 per 100.

ALICE DAY

An ideal commercial variety flowering October 10 to 20. Certificated in New York and Philadelphia on the commercial scale, scoring 87 and 89, respectively; color purest possible white, with no poor buds; medium sized foliage, which permits of rather close planting. One of the most perfectly formed varieties ever introduced.

ANTIQUE

A deep bronze sport of the favorite Dr. Enguehard. It is a duplicate of Enguehard in all respects save color. We recommend this variety to commercial growers where bronze varieties are popular. Treat similar to the parent in every way.

AUTOCRAT

Color snow white; growth dwarf and robust. We offer this variety as a late white, believing it will take its place with growers who are unable to handle Jeanne Nonin, as it can be brought in for Thanksgiving or Christmas, if desired; every bud forms a perfect flower. Certificated C. S. A., Cleveland, November 10th.

BRONZE UNAKA

A bronze sport of the popular Unaka and to the commercial men will be a very valuable acquisition, since there are no other bronze varieties coming in so early in the season, the first week in October. Color very attractive bronze which sells at sight, and any commercial grower who can grow Unaka should also grow this bronze companion—which is a duplicate in growth, foliage, and everything else except color.

CHIEFTAIN

A beautiful, incurving pink of perfect shape. Certificated in Boston, Philadelphia and Chicago. Perhaps the finest incurved pink commercial variety in cultivation today.

COLONEL APPLETON

At one time the most largely grown yellow in cultivation. It is too well-known to need description.



STANDARD VARIETIES COMMERCIAL CHRYSANTHEMUMS—Continued

CHRYSOLOIRA

This variety can be briefly described as an early Col. D. Appleton, coming in 15 days earlier; is of larger size, stronger stem, not quite as tall, and in color is intermediate between this variety and Major Bonnaffon. Best buds are those selected August 1st to 15th.

E. A. SEIDEWITZ

One of the best late-flowering pink 'Mums introduced to date. Can be had for Christmas, if desired

EARLY ROSE

Very early October blooming variety; rose-pink in color.

EARLY FROST

Most popular early white, coming into flower September 15th, onward.

GLORY OF THE PACIFIC

Fine, early pink; dwarf grower, take bud around August 20th.

GLORIA

Light pink seedling from October Frost; a handsome variety which finishes perfectly.

GOLDEN QUEEN

Yellow variety, same color as Golden Glow; incurved in form. Matures about October 10th.



AUTOCRAT

JEANNE NONIN

A splendid, late commercial white. If last bud is taken about October 1st, blooms can be had in perfect condition for Christmas.

MAJOR BONNAFFON

Introduced many years but still a very popular commercial yellow.



CHIEFTAIN

MARIGOLD

A monster yellow; flower unsurpassed both in size and color in its season; our first flowers of this variety were cut October 5th, this year. Must be secured on an early bud.

OCTOBER QUEEN

Beautiful flower of purest possible white; very large size; strong stem and fine foliage.

OCTOBER FROST

Blooms in early October and is the largest commercial white of its date.

OCONTO

White; fine, large blooms on very strong stems; largely grown for its period, which is early mid-season.

POLLY ROSE

Splendid white. Very easily handled and grown in large quantities for the wholesale market.

PACIFIC SUPREME

Bright pink, coming into flower about ten days after Glory of the Pacific.

SMITH'S ADVANCE

One of the earliest large-flowering white varieties; can be had by September 15th.

TINTS OF GOLD

The earliest bronze variety to bloom. Can be cut in excellent condition September 25th.

TEKONSHA

Incurving bronzy yellow coming in for Thanksgiving. Strong, upright growth and very distinct habit.

UNAKA

The long sought early October pink Chrysanthemum. A broad-petaled Japanese incurved of great depth and size for so early a variety.

WHITE SEIDEWITZ

White sport of the popular Seidewitz, resembling it in every respect except color, which is a pure white. This variety should rank, as does its parent, as one of the best varieties for Christmas blooming.

WELLS' LATE PINK

One of the finest things sent out in its color in many years, flowering from November 10th onward. Crown bud after August 25th.

WHITE CHIEFTAIN

Pure white sport of the variety Chieftain; duplicate of the parent in all respects save color, which is a pure white. One of the most valuable commercial varieties in cultivation at the present time.

YELLOW ADVANCE

Yellow sport of the well-known Smith's Advance coming in as it does the latter part of September and is exactly identical with Smith's Advance, except that it is bright yellow in color. Yellow Advance is well worthy of a place in the early section which during the past year produced more adequate returns than the later sorts.

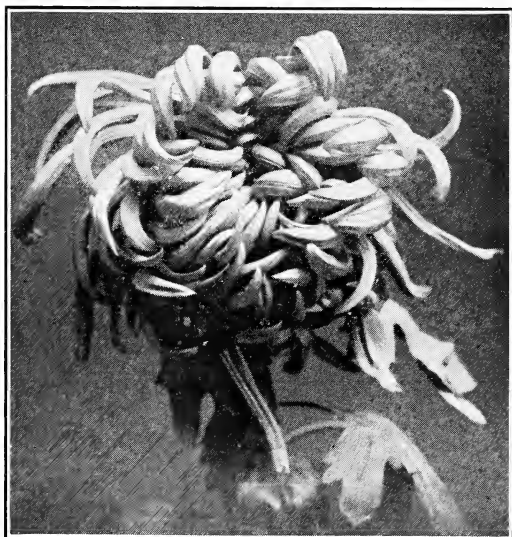
Feathery, Spidery and Thread-Like Varieties

Price: 30c. per plant, \$3.00 per doz., \$20.00 per 100.

"AMATERASU"

(The Sun Goddess)

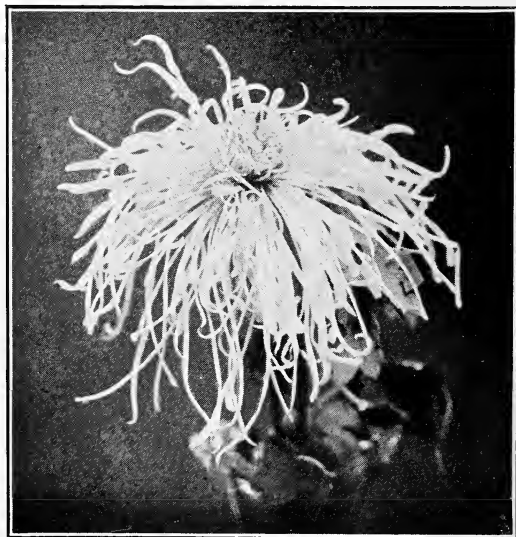
Heavy quilled petals which follow no set design but twist and curl like a very informal Cactus Dahlia. Color is yellow, as the name implies.



AMATERASU

"FUGI" (*The Wistaria*)

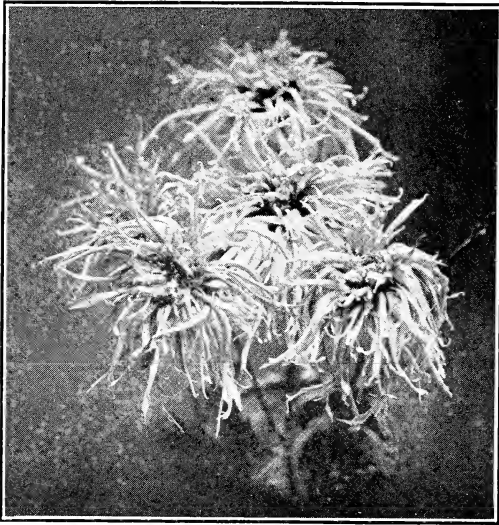
The largest of the entire set; pale lavender in color with very narrow petals hanging down 8 or 10 inches in length. Very refined type. Splendid foliage and stem.



FUGI



FEATHERY, SPIDERY AND THREAD-LIKE VARIETIES—Continued



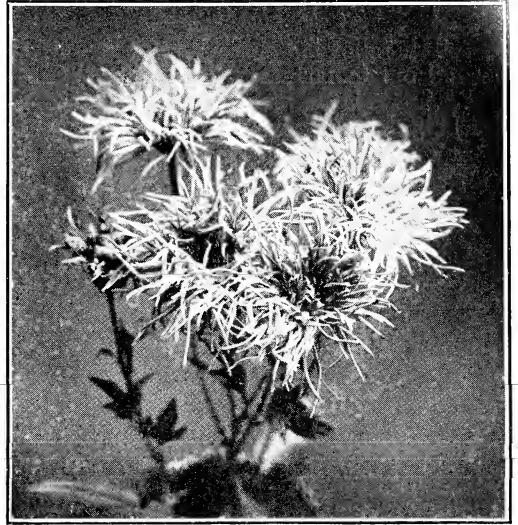
SAM CASWELL

JU JITSU

This 'Mum reminds one of the old-fashioned peppermint-sticks, inasmuch as half the petal is white and the other half deep pink. The petals alternating make this a most fascinating variety. Spidery type

SAM CASWELL

Somewhat resembles White Thread, except that it is larger and the end of each petal is divided into three points; the color is a brilliant rose-pink and a spray of this variety is a pleasing and attractive sight. Feathery type.



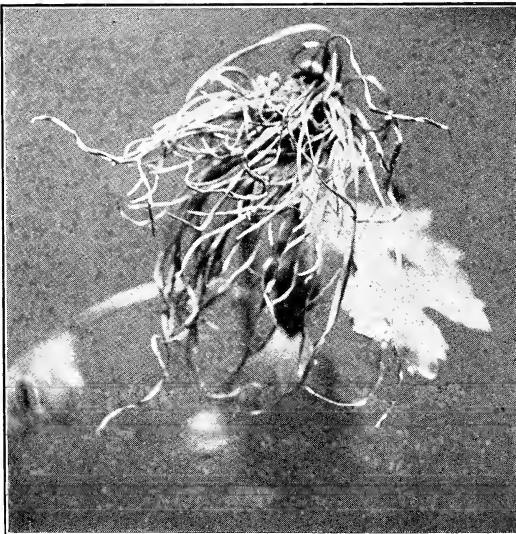
JU JITSU

"TACHIBANA" (The Orange)

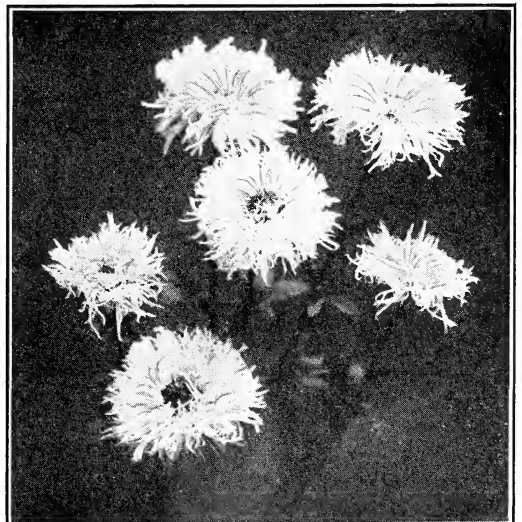
Looks exactly like a mass of corn-silk and when the flower is removed from the stem it is impossible to believe it to be a flower, certainly no one would think it was a Chrysanthemum.

WHITE THREAD

A beautiful and interesting variety resembling nothing so much as a quantity of short white threads growing on a stem. In contrast with large varieties in any exhibition it always calls forth great interest. Thread-like type.



TACHIBANA



WHITE THREAD

Pot Plants, Caps and Decorative Varieties

The following varieties are listed separately for the convenience of the buyer, and are all particularly adapted for pot plant work. These are the kinds usually grown for the wholesale markets in large quantities. They are often handled very satisfactorily by being planted out in the open ground in May, kept pinched into shape and potted September 1st. So treated they are a very profitable crop, blooming from October 15th to the end of the season, according to variety.

Price: 20c. per plant, \$2.00 per doz., \$15.00 per 100.

BELLE MAUVE

A good all-around variety; rose-pink in color, very largely grown.

BUTLER'S CAPRICE

Deep pink sport of Caprice du Printemps.

CRIMSON SOURCE D'OR

Crimson sport of Source d'Or, the showiest variety of all the decorative types.

CAPRICE DU PRINTEMPS

Rose-pink sport of Caprice.

GASTON QUINEAUX

Brightest, glowing scarlet-crimson; very fine. Dwarf, handsome grower, one of the very best in this section.

KATHLEEN THOMPSON

The crimson sport of Caprice.

LIZZIE ADCOCK

Deep yellow sport of Source d'Or. Precisely like the parent in every respect as to growth and culture.

LILAC CAP

Deep lilac sport of Caprice.

MRS. GREENING

Pale pink sport of Caprice.

PURPLE CAP

Bright purple sport of Caprice.

SOURCE D'OR

Also known as Golden Feather. A wonderful variety when grown in sprays.

WHITE CAP

Pure white sport of Caprice.

YELLOW CAP

Brilliant yellow sport of Caprice.

YELLOW TRIUMPHANT

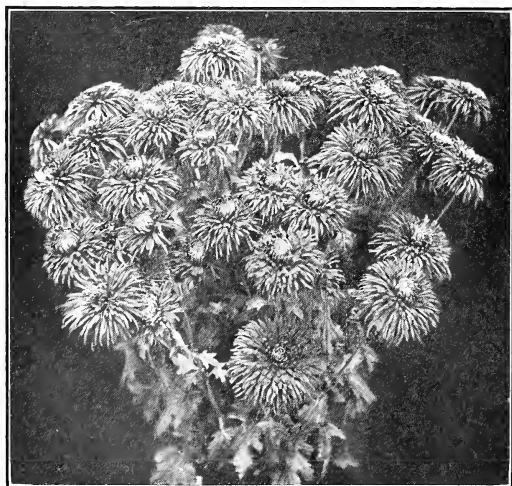
Clear, bright yellow; one of the best to grow.

WHITE MRS. FILKINS

A pure white 'Mum, producing many flowers on a plant. Nice, stiff stems, excellent for cut flower work and very novel in petalage.

LADY LYDIA

Pure white, an ideal grower and the variety most largely used in growing the enormous specimen plants so popular a year or two ago.



SOURCE D'OR



CLEMENCIA



GRAF VON ORIOLA

Japanese Anemone Chrysanthemums

The Anemone 'Mums should not be confused with the Singles or Pompons. They are entirely distinct and are readily identified by the large central boss composed of a myriad of smaller short petals.

Price: 20c. per plant, \$2.00 per doz., \$15.00 per 100.

CLEMENCIA

Deep pink, shading to a deeper pink in the center cluster; this latter is very prominent, since it is just crowded with petals and reaches across the flower about 4 inches.

ELEANOR

A lovely, dainty shade of Enchantress-pink. Whether grown as a large-flowered variety or to be cut in sprays it is equally beautiful and should be in every collection.

GRAF VON ORIOLA

Strongest grower of the set; color pure rose pink; tubular petals in center tipped gold; ends of the outer petals incurve slightly, making a bold and striking appearance; very bright foliage.

GRAF VON FLEMING

This is a charming variety; color of the purest pale lavender; the petals of this exquisite flower are very narrow and refined; the outer petals are tubular until they reach the edges, where they open and droop back.

GARZA

Pure white, the outer or guard petals form a perfect hemisphere and one of the best to be grown for pot work or to be used as a cut flower. Very largely grown for Thanksgiving market.

GODFREY'S PERFECTION

Late variety which comes in excellent condition for Thanksgiving. Dwarf, robust habit, very stiff stem. Color of flower a beautiful, clear white.

INNOCENCIA

Outer petals of pure white; central petals most beautifully flushed pale pink; edges of the tubular petals in center of light yellow. Fine growth; an exquisite variety.

JUNO

Deep lilac, shading to white; the center head being loose and graceful and of a deeper shade than the outer petals; a magnificent variety in its color; foliage and stem all that can be desired.



JUNO

PEPITA

Pale pink on outer petals, with an orange-yellow center; a delightful combination as seen in this type of Chrysanthemum. This flower is much heavier than many of the other varieties; the petals being of such strong texture permits of its being shipped considerable distance and arriving in perfect shape.

SURPRISE

Brilliant rose-pink; one of the largest and very finest in this section.



PEPITA

TITIAN BEAUTY

Color deep, rich bronze, shading in center to scarlet. Personally, we consider this the most striking of the collection; outer petals reflex, showing the center to advantage; the plant is very strong in growth, with heavy dark green foliage.

WEE WAH

This is a gorgeously colored sort; the general effect is terra cotta, shading to bronze yellow, somewhat of a flame color; the outer petals are very brilliant and distinct looking, as though gold dust were powdered over their yellow-crimson color. This is a dwarf, handsome grower and should be very popular.

WILFREDA

Outer petals pale yellow; center petals bronzy, tipped straw yellow. Plant is a very strong grower and the flower holds itself very stiff and erect, when cut on long sprays. This is a distinct appearing variety as the petals on the flower stand out at right angles from the center tuft.

MRS. OWEN WINSTON

Remarkably brilliant yellow, with a deeper center. This is a very handsome growing variety, clean cut and vigorous. One of the best to be grown for cut flowers for the commercial market.



TITIAN BEAUTY



Hardy Garden Section

The varieties that follow are all perfectly hardy, providing they are grown in a section that is not too wet. If the stock plants are water soaked all Winter, or frozen up in cakes of ice, they will not survive, but given congenial growing conditions and a slight protection of dry leaves with pine branches over them to prevent the leaves blowing away, they will come through without any trouble. Then in the Spring, after they commence to grow, they should be divided so just one shoot will remain to make the future plant. While the first frost will blast the flowers that are developed at the time, it will not injure the unopened buds, and the outdoor 'Mums can be enjoyed to their fullest extent all through the lovely "Indian Summer" weather.

Early Flowering Chrysanthemums

This type of Chrysanthemum deserves a place in every garden, coming as it does after the Summer flowers have begun to wane, and continuing to bloom profusely in most places until well into November. The cultivation of these 'Mums is simple: Plant them in a rich, well drained piece of ground, setting out the plants a foot apart and pinching them once or twice during the months of May or June. They will branch out and make beautiful bushes and give the cultivator more return for the labor expended than any plant in the garden. There is a place for this type of 'Mums in every garden in America, whether one has greenhouses or frames or not. Some growers who have grown these as pot plants have had great success with the same and we can recommend them highly for that purpose.

STANDARD VARIETIES

Price of these varieties: 20c. each, \$2.00 per doz., \$15.00 per 100.

A. BARHAM

A beautiful orange bronze and the first variety of this color to come into flower. Shows up wonderfully well under light when used as a decoration.

BORDER BEAUTY

Fiery orange, with reverse and edge of petals tipped gold. A favorite variety on account of its color.

BILLANCOURT

Brilliant terra cotta, shaded bronze; wonderfully strong, vigorous grower, makes a perfect glowing bush of color.

BELLE MAUVE

Mauve in color; a first-class variety; blooms early and is very free blooming.

CARMELITE

Deepest golden yellow; very free.

CHAS. JOLLY

Bright, rosy pink; splendid variety and popular with everyone.

CRANFORD WHITE

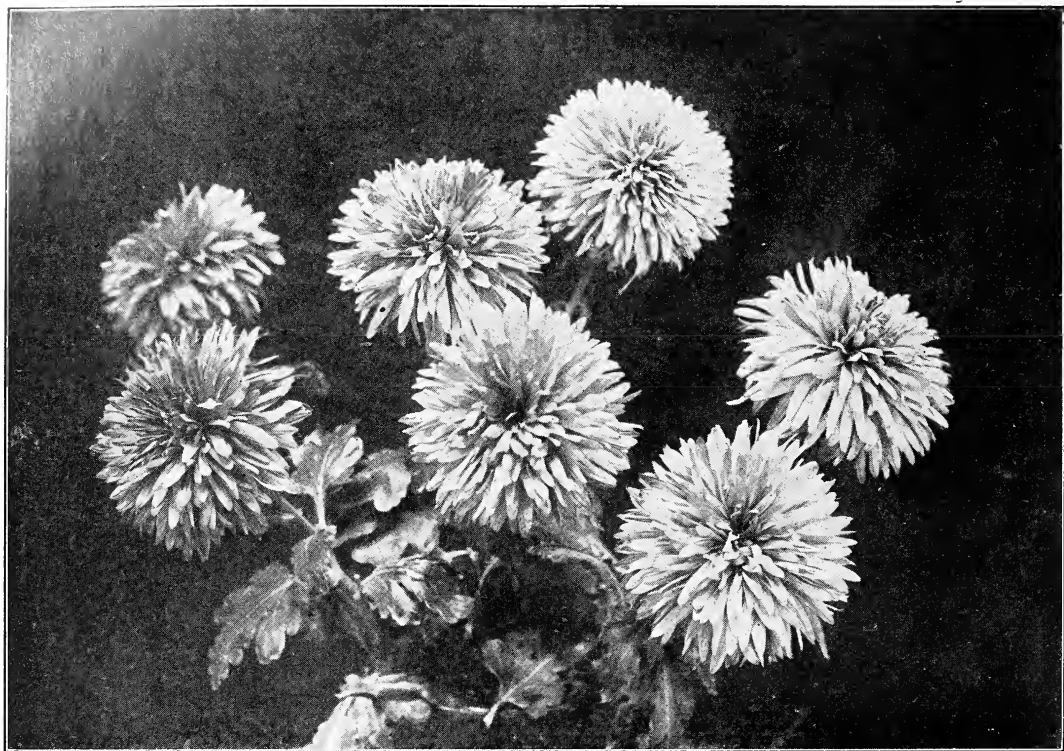
Pure milk-white, blooming at the same time as Cranford Pink, which is late September.

CRANFORDIA

In this variety we have an early-flowering 'Mum that covers every possible point; perfect in flower and stem; foliage up to the flower and every plant will carry twelve to twenty beautifully finished flowers. We cannot too strongly recommend this variety to grow in large blocks for cutting, as we are positive it will fill all requirements. Color deep, bronzy yellow.



CRANFORDIA



MRS. HARRISON CRAIG

New Early Flowering Variety

AUTUMN BEAUTY

All shades of Autumn color are found in the blooms of this variety, and it is remarkably free in growth. The flowers are large and in full bloom October 1st. The habit of the plant is sturdy and we strongly recommend this variety to anyone desiring a fine, early flowering, bronzy-red variety. 50c. per plant, \$5.00 per doz., \$35.00 per 100.

DEBUTANTE

Pure white in color, perfect in shape and if the plant is pinched until July 1st will give quantities of snow-white flowers on stems amply long enough to use as a cut flower.

FIRELIGHT

Brilliant carmine, shaded with scarlet. In perfect condition to cut October 1st, either outdoors or under glass. The earliest and best thing in its color.

HORTENSE MALGAT

Color a magnificent pink. In full flower October 1st. One of the choicest varieties we have. Very productive.

HELENA

Chestnut, shaded gold, with edge of petal tipped gold. In full flower September 18th.

L'ARGENTUILLIUS

Deep chestnut shaded crimson; coming into flower October 8th. Very strong grower and free producer.

MRS. HARRISON CRAIG

One of the most unique colored varieties we have ever handled or disseminated, the groundwork of the petals being yellow overlaid with brilliant, orange-crimson, which on first inspection looks as if it were fine powder sprinkled over the flowers. Dwarf and robust growth, ideal in habit and a variety that we predict will be grown for many years on account of its marvelous color, handsome habit and hardiness.

MRS. DEAN EMERY

Color, brilliant chamois-pink, on the style of Le Pactole; flower exceptionally large and distinct, and wonderfully lasting. This variety does not have the tendency to run to bud as do so many of its type, but starts growing early in the season and continues to do so for many weeks. Stem and foliage ideal.



EARLY FLOWERING VARIETIES—Continued

MME. MARQUIS

Blush-white, fully developed October 1st. Amply repays for disbudding and good care.

NELLIE BLAKE

Chestnut crimson; in full flower September 20th. Dwarf, handsome variety.

NORMANDIE

Creamy white; magnificent variety. The earliest and perhaps the best.

PETITE LOUIS

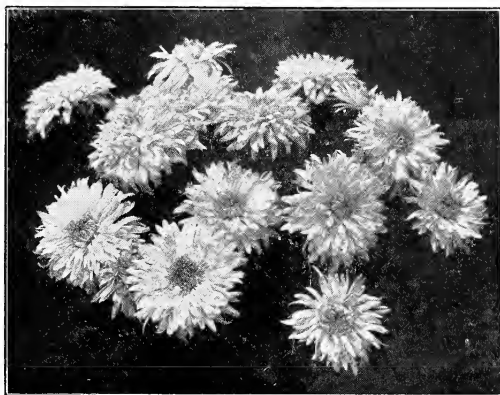
Beautiful silvery-mauve, large flowering variety; strong, healthy grower and one of the best we have tested for outdoor cultivation.

PETITE JEAN

On the same order as Perle Chatillonnaise, but comes into flower about a week later. Color, pure white with a light yellow center.

SMITH'S ADVANCE

One of the earliest of the large-flowering white varieties that can be gotten in by September 15th, and blooms profusely in great masses in the hardy garden by October 1st.



DEBUTANTE (See page 26)

SOURCE D'OR

Sometimes called "Golden Feather," a wonderful variety when grown in sprays or as a pot plant. Deep reddish-bronze.

TINTS OF GOLD

The earliest bronze to flower, and makes a wonderful glowing bush if not disbudded. When the individual flowers are disbudded they will produce flowers as large as the greenhouse sorts.

YELLOW ADVANCE

The yellow form of Smith's Advance, identical in every respect except color, which is a bright golden yellow. Flowers very large and full.



SMITH'S ADVANCE

HORTENSE MALGAT

**BRONZE MOLLY**

Single Chrysanthemum Novelties for 1921

Our list of Single Novelties is very much curtailed this year. The standard attained is so high that it is difficult to find many improvements on the varieties already in existence. The following three varieties are so very fine both in color and habit that we unhesitatingly recommend them.

BRONZE MOLLY

Color clear tawny yellow. A Single that is enormous in size both as to flower and plant. The plant under favorable conditions will attain a height of 6 feet clothed from top to bottom with luxuriant foliage. Individual flowers without disbudding will run $4\frac{1}{2}$ to 5 inches across. This is an English raised variety and a giant in every way. Stock limited.

Price: \$1.00 per plant, \$10.00 per doz.

LADY ASTOR M. P.

A splendid deep crimson much the finest thing we have had in this color. Crimson varieties as a general rule are rather prone to a weaker habit than the average Single. Lady Astor is a late blooming variety and can be brought in for Thanksgiving very easily if desired. The sensational variety in England last year. Stock limited. \$1.00 per plant, \$10.00 per doz.



LADY ASTOR M. P.

CHARLES FAIRS

Bronze, with a very stiff outstanding petal and compact, dwarf habit. The stem is stiff and the foliage dark and luxuriant. A splendid keeper and shipper and one that will make its own place. Was the most attractive of all the bronze varieties we grew this year. \$1.00 per plant, \$10.00 per dozen.



CHARLES FAIRS



EXCELSIOR (See page 31)

GOLDEN MENSA (See page 31)

MRS. W. E. BUCKINGHAM (See page 33)

Single Chrysanthemums

STANDARD VARIETIES

Price: 20c. per plant, \$2.00 per doz., \$15.00 per 100.

BRONZE BUCKINGHAM

When we say this variety is a duplicate of its parent in every respect except color, little more description is necessary, for Buckingham is one of the best known Singles. Color is a cheerful glowing bronze, and the commercial growers who are handling Buckingham for market flowers, will welcome this bronze companion with open arms.



BRONZE BUCKINGHAM

BERTHA FAIRS

Brilliant rose-pink; one of the earliest to come into flower with us, as it was fully open around the third of October. Valuable as a garden variety on account of its early season of blooming. Color most exquisite.

CHARLOTTE WAITE (Waite)

Deep rose-pink, with bright yellow center. This variety has been grown outside the last three years, and is absolutely hardy. Splendid dwarf habit which does not require staking. Plant will make a round, compact bush 2 to 3 feet across, and when fully in flower, its lovely pink blossoms are a sight not easily forgotten.

DAINTY

A seedling from the old Indicum, and for those who are looking for something different for made-up work, such as dinner table or basket decoration, will be of great service. It is a fine, compact grower, good either as a pot plant, or planted out *in the open*. It has very delicate stems, but as stiff as wire. The flowers are a pleasing yet somewhat strange combination. The buds are reddish bronze, the opening flowers a yellowish pink, and the full open flowers a delicate rose pink. The flowers are small and Daisy-like. It is altogether a simple and beautiful variety and well named "Dainty."

ELSA

Snow white, with a lovely golden-yellow center, making a lovely plant when grown in sprays.

SINGLE CHRYSANTHEMUMS—Continued

EXCELSIOR

A gorgeous variety. When first opening almost a scarlet, which afterward changes to bronze and flame color. One of the very largest and most attractive singles ever introduced.

GOLDEN MENSA

The parent of this variety, Mensa, is probably the finest Single that has ever been raised. It is of a wonderful size, with enough petalage to enable it to be shipped thousands of miles and come out of the box in perfect condition. In Golden Mensa we have a yellow sport of the same, identical with Mensa in every way except color, which is a bright, golden yellow.

GLORIANNA

Bronzy amber with pink shadings. Plant is an excellent grower with perfectly stiff, erect stems. Free flowering. A most desirable all-round variety. Awarded a Certificate by the Chrysanthemum Society of America.

GRANT B. SCHLEY

Late variety, growing considerably taller than the average Single; splendid for Thanksgiving and later. Color, lovely combination of orange gold, changing to bronzy scarlet. Created more favorable comment than any other variety in our exhibition house this Fall.



BERTHA FAIRS (See Page 30)

H. MARIE TOTTY

We consider this the finest Single we have ever had the pleasure of introducing; the flowers are a little late for the first shows, but are in perfect condition by November 10th, and keep splendidly from then until Thanksgiving. Color is a brilliant crimson, with scarlet shadings near the center of the flower; center is bright green and the flower has a bright zone of yellow near the disc around the petals.

HELIOS

Chestnut-scarlet, occasionally flecked with yellow at the tips. The individual petals twist back making the flowers look as though the petals were quilled. Foliage and stem particularly pleasing. When planted within the garden where it can be associated with Autumn foliage at blooming time it is most attractive.

IDA CATHERINE SKIFF

Most quickly described as a greatly improved Yvonne; color is a brilliant bronzy amber, flowers large and well placed on the stem, needing no disbudding owing to the length of the foot stalk; an invaluable variety for cut flower work.

JOSEPHINE SCHOLTMAN

Pale lilac in color with white zone around the immediate center of the flower. This variety was well shown at the Cleveland exhibition, where it was much admired, on account of its delicate shadings.

JOAN EDWARDS

Beautiful pink; a very handsome variety.



DAINTY (See Page 30)



IDA CATHERINE SKIFF (See page 31)

JOSEPHINE

Brilliant yellow in color, heavy textured flower, perfectly rigid stems and if disbudded will produce flower 6 inches across.

KATHLEEN MAY

Very brilliant crimson, with some six rows of petals, making the flower almost too heavy to be called a Single, although it has the open center of the Single types. Too late for the Shows but one of the best red varieties for Thanksgiving cut flowers. Stiff stem and foliage ideal.

LILY NEVILLE

White, of great substance and size, with solid flowers nicely arranged on the stems. This variety scored 94 points before the Chrysanthemum Society of America. This variety is also adapted for pot plants as well as cut flowers, since it is a dwarf, stiff grower.

LOUIS SPEARS

Brilliant chestnut-crimson; plant a very strong grower, needs to be disbudded as the flowers are rather closely placed on the stem. The individual petals have considerable texture and finish off to a point.

MRS. W. H. WAITE

The flowers open a soft Enchantress Carnation pink and when fully expanded, are pure white. The combination of the two colors, of the opening, and full open flowers, make a charming combination.

MRS. CHARLES CLEARY

Brilliant bronzy-red with yellow zone around the center. Yellow suffusion of the center runs along through the petals. Stem is very stiff and habit of the plant very fine.

MRS. LOU THOMPSON

Primrose-colored sport from Mensa. Must not be confused with Golden Mensa, which is considerably deeper in color.

MENSA

Purest white. This is a splendid variety. Certified by C. S. A.

MRS. ALBERT PHILLIPS

Deep lavender in color, one of the earliest of the Singles to develop this year; fully open October 5th. When first opening the contrasting color is a lovely cream, charming and beautiful.

MILLICENT PIPER

Most quickly described as an earlier Mensa, coming into bloom 10 days before Mensa; equally as large and vigorous in habit and not so subject to disease as Mensa. This variety was in the market and sold before Mensa was ready to ship and proved itself a most profitable sort.



MISS RUTH S. BERGEN (See page 33)

SINGLE CHRYSANTHEMUMS—Continued

MISS RUTH S. BERGEN

Brilliant amaranth with a straw-yellow zone around the center. This variety was raised outdoors without having ever been grown in a greenhouse and is particularly strong and healthy.

MILDRED PRESBY

One of the very finest pink varieties we ever introduced. Color bright lavender pink, with petals curling slightly toward the tips giving the flowers a novel appearance. This variety scored 95 points before the Chrysanthemum Society of America, which is the highest scoring ever given a Single 'Mum at any time. Magnificent foliage and stiff stem all go to make this one of the best introductions to date.

MRS. JOHN A. STEWART, JR.

A lovely bronze with yellow zone immediately around the center disc; just the color that associates itself with Autumn foliage; probably the most popular variety we exhibited at any of the exhibitions. Certificated by C. S. A.

MRS. E. H. WELLS

Petals creamy white in center shading to palest lavender on outer edges; refined and beautiful flower, the admiration of all who have seen this variety both in greenhouses and at the exhibitions.



ROSE M. DALY (See page 34)



PORTIA

MRS. W. E. BUCKINGHAM

Midseason pink, has proved itself one of the best varieties for cutting or market purposes ever introduced. We cannot too strongly recommend this variety, as it fills all the requirements of an ideal market Single.

MRS. E. D. GODFREY

Light pink; same shade as Lady Hopetoun; very fine variety for Thanksgiving market; very strong grower and more largely grown than any other Single.

MRS. MAX BEHR

Shiny chestnut scarlet; very dwarf grower and the flowers are closely placed together, therefore, should be slightly disbudded to give best results. A splendid variety in every way, stem, foliage and habit being all ideal.

PORTIA

Deep salmon bronze shading in center to a bright flame; splendid habit. This variety created a sensation wherever shown at the Fall exhibitions.

PHYLLIS BRYANT

Sulphur yellow. The flower is absolutely perfect in outline and one of the very finest yellows we have so far received for cutting and shipping. We strongly recommend this variety to every grower.

RICHARD DELAFIELD

Exceptionally novel in color; a very deep terra cotta with scarlet shadings. One of the most brilliant varieties we have ever distributed. When shown in conjunction with a white variety the effect is marvelous.



SUPREME

ROUPEL BEAUTY

True American Beauty in color, very large flowers with bright yellow center; very attractive flower and novel color.

ROSE M. DALY

The plant makes long, graceful sprays on fairly wide foot-stalks. The color is a splendid deep yellow, deeper than any other yellow variety in the house this year and we highly endorse this variety to give entire satisfaction to anyone growing it.

SUPREME

Glowing crimson; much the finest thing in this shade we have ever introduced. Flowers are well divided on the stem and need no disbudding as they are extra large in size. Supreme will be the standard crimson another year.

SNOWFLAKE

Purest white. A large, splendid flower that is most attractive. Not so liable to disease as Mensa and is consequently preferred by exhibitors to that variety.

STANLEY VEN

Lovely rose color; sprays are well divided, doing away with the necessity of any disbudding. Certificated at Philadelphia, Boston and Chicago. This variety has been on the market five years, but we have been unable to find anything to displace it in its color, to date.

VERONICA

A chastely, beautiful variety; lower petals delicately flushed the palest possible pink, the center of the flower is white, the petals instead of coming to a point as many Singles do, are delicately rounded. The plant is ideal in growth and will carry six or eight flowers on every spray as the foot-stalk is long and the flowers equally well divided.

VIVIAN COOK

A delightful addition to the already large list of yellow; coming in as it does a week before Golden Mensa, with a larger flower, it fills in nicely; the color is a brilliant canary yellow, somewhat different from any other yellow ever sent out.

YVONNE

Brilliant, bronzy amber, on the style of Dorothy Dann, but a shade lighter in color. The texture of the petals is hardly as good as other bronze varieties we have distributed, but Yvonne still retains its popularity with most growers as one of the best of the lighter bronze Chrysanthemums.



VERONICA



Improved Hardy Varieties

Price: 20c. per plant, \$2.00 per doz., \$15.00 per 100.

The following varieties represent the selection from hundreds of sorts we tested in order to get the very finest for your garden. They average very much larger and better than the standard varieties; are ideal in habit and growth and are not prone to suffer leaf disease as are some of the smaller types known as the "Button" varieties. Mrs. Francis Bergen, by being disbudded can be grown just as large as the indoor varieties, and Lillian and White Doty are known from coast to coast. These are superior Pompon varieties.

CONNIE DICK

This has been aptly termed the "Yellow Doty." It is almost identical in every respect except color, which is a clear glowing yellow; very striking in contrast with other varieties. We feel that Connie Dick is the most valuable variety ever introduced in the large flowering Pompon section, as the habit is ideal; growth strong and stiff stems with glossy foliage, a fascinating variety seeming to possess every desirable quality.

CAPTAIN COOK

Taller in growth than the average Pompon, running the same as Lillian Doty. First Pompon to open and the color is a lovely shade of rose-pink. Far ahead of anything else in its color at the time of blooming.

CLARA JAMESON

Lovely combination of bronze and scarlet. One of the showiest varieties in our garden this past Fall; keeps blooming profusely even after heavy frost.

GOLDEN CLIMAX

Orange yellow. In our opinion the finest of the many yellows now in cultivation, possessing every necessary qualification. This variety has been admired more than any other variety in the exhibitions, particularly at Chicago. Truly named, as it does not seem possible to improve on this variety.

LILLIAN DOTY

It is much the finest pink in the large flowered section of the entire Pompon family. The plant is a tremendous grower and will make stems 4 and 5 feet long, producing beautiful sprays of clear, light pink flowers.

MARY

Pearl white, flushed pink, coming into bloom about November 1st, and can best be briefly described as an improved Grace.

MRS. FRANCIS H. BERGEN

Creamy white with center of rosy pink, shading to lighter pink in the outer edges. As the flower ages it changes to a charming pale lavender. We consider this the most valuable of the many sorts introduced, for garden work; blooms October 25th.

MRS. NELLIE KLERIS

This variety is an improved Lillian Doty, but the color is more evenly diffused over the flower. The blooms are equally as large as Lillian Doty, but better divided on the stems. A fine, sturdy, dwarf grower.

RENA

Rose-violet, somewhat the same shade as Baltimore, but altogether larger and better flowers; more perfect in shape and keep a long while in good condition after being cut. Splendid in its color.

SIDNEY MITCHELL

A splendid addition to the already long list of fine, yellow Pommoms, coming into flower a week earlier than Golden Climax. Proved itself to be in our trial ground a variety well worth introducing.

THELMA

Bronzy red; unique in color among Pommoms, being about the same shade as Billancourt, the early-flowering variety. The flowers are semi-circular in shape the individual flowers being well divided and the ensemble of the plant most pleasing.

WESTERN BEAUTY

A deep rose-pink, rather late for the shows, but one of the best Pommoms ever introduced.

WHITE DOTY

A sport of the popular variety, Lillian Doty, and a duplicate of the parent in every way, except color, which is pure milk white. This is a hardy plant that will grow outdoors just as well as in the greenhouse, and will give the grower wonderful results grown either way. Every stem on the plant carries a spray of eight or ten perfect flowers, and with its bright, glossy, green foliage and stiff, erect growth, this charming variety fascinates everyone.

Types of Hardy Chrysanthemums

SINGLES - EARLY FLOWERING POMPONS

-
- No. 1. MRS. ALBERT PHILLIPS
 - No. 2. CHARLES JOLLY
 - No. 3. CRANFORDIA
 - No. 4. PINK CAP
 - No. 5. GOLDEN CLIMAX
 - No. 6. YELLOW ADVANCE
 - No. 7. MENSA
 - No. 8. IDA KATHERINE SKIFF
 - No. 9. HORTENSE MALGAT
 - No. 10. LILLIAN DOTY
 - No. 11. CONNIE DICK
 - No. 12. RENA

For the benefit of new customers not familiar with the Hardy 'Mums, we have prepared this color page opposite, showing the different types of Hardy 'Mums; Singles, Early Flowering and Pompoms. We will send a collection of 100 plants, composed of the different types herein shown for \$12.00.

This is a special price and if individual plants of the different varieties are purchased, they will be charged for at the regular prices listed in other parts of this catalog. To obtain this price one must take the entire quantity; selection of kinds to be left to us.

Collection of 100 Plants \$12.00.



Novelties in Improved Pompon Chrysanthemums

HARDY VARIETIES

Price: 50c. per plant, \$5.00 per doz., \$35.00 per hundred.

Our earlier introductions of this type have proved so successful with the general public that our introductions in this line are eagerly looked for year after year. The flowers are four and five times as large as the small, old-fashioned Button Pompon and the colors much more distinctive. This is the best type for cut flower work and largely grown by the amateur for that purpose. The varieties listed below have all been tested in our own gardens and we guarantee them to give excellent results, since they bloom three weeks before the smaller kinds. We were awarded the Gold Medal at Washington, D. C., November, 1920, for this group of novelties.

SHAKER LADY

Bright tyrian pink and one of the best we have introduced. Strong, healthy growth with the flowers well placed, showing up the individual flowers to the best advantage. Named in Cleveland in honor of one of the garden clubs of that city.

ADELAIDE

A splendid deep, rich mahogany; one of the earliest to develop, being ready to cut by October 10th. Strong, healthy grower and a desirable variety in every way. About 4 feet high when well grown.



ADELAIDE



SHAKER LADY

HARRIET SYKES

A lovely, dwarf rose-pink that was much admired with us. This variety will make an ideal pot plant and will be very useful coming in as it does about a week before Western Beauty, which it resembles in style and color.

SARDI VORRO

A unique color, brilliant salmon shading to shining bronze; dwarf in habit, not over 2 feet; one of the first to bloom in the garden and one of the most cheerful in appearance.



HARRIET SYKES (See page 38)

INDIAN HILL

A stocky, stiff-stemmed variety; deep yellow flecked throughout with crimson which gradually fades out as the flower ages. Named after a beautiful estate in the vicinity of Cleveland.

TRAVELER

A robust, strong-growing white with beryl center. Short, crisp petals; one of the varieties that will ship anywhere and arrive in perfect condition with none of the flabbiness that characterizes some varieties, hence the name of Traveler.

FLORHAM QUEEN

A lovely blush white; flower is almost a globe when fully expanded. Ideal in growth and the arrangement of the flowers on the spray is superb, as the buds are well separated and have ample room for development with little, if any, disbudding.

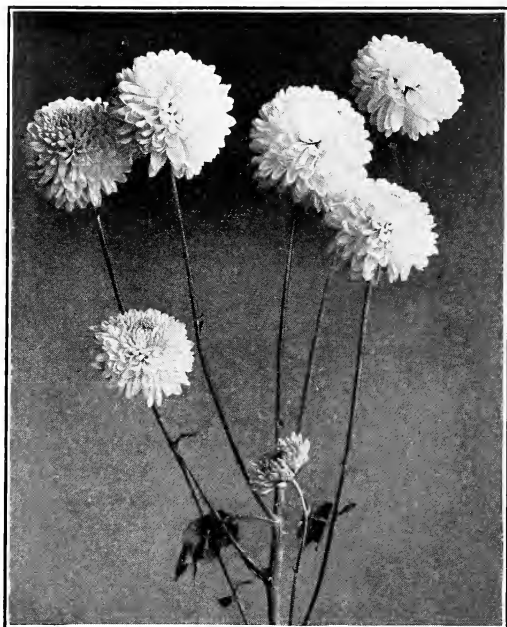


TRAVELER

For the benefit of patrons who wish to grow the entire set, we make a special offer of one plant each of the seven varieties described above, for..... **\$3.00**



ANNA L. MORAN



FRANCES HUCKVALE

Improved Novelty Pompons of 1920

Price: 30c. per plant, \$3.00 per doz., \$20.00 per 100.

ANNA L. MORAN

Of all the many Chrysanthemums we

have distributed the last fifteen years this is our favorite in the Pompon section. The color is splendid—a brilliant, flame-scarlet, so vivid as to be easily the most striking flower in the entire collection. The flowers are nicely divided on the stem without disbudding and the growth, foliage and stem are all that can be desired. The individual flowers on this Pompon are large, on the order of the Doty type.

FRANCES HUCKVALE

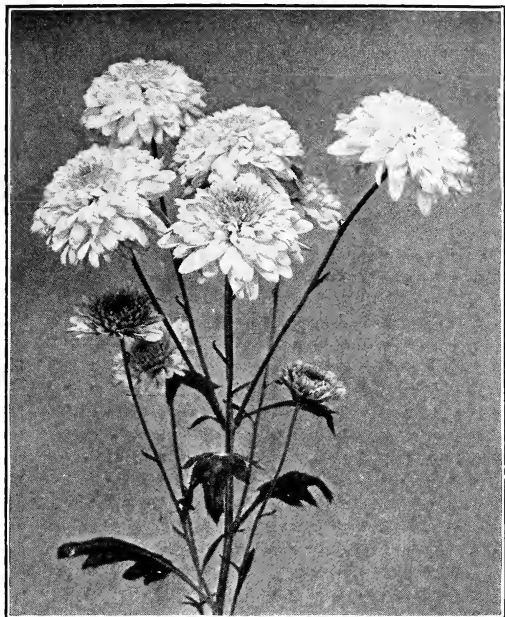
Gardenia white, with a creamy shaded center. Far in advance of Queen of the Whites, or any other Pompon. An exquisite variety to use for cut flowers, being particularly valuable also for florists' made-up work.

JULIA DE WITT

Bright bronzy-amber with deeper shadings. A dainty and exquisite variety. Quite large in size of individual flowers and gracefully arranged on the stem or spray. Foliage and growth very clean and strong. To anyone wishing a novel colored 'Mum that will give them plenty of cut flowers we strongly recommend Julia de Witt.



MRS. CHESTER ROBINSON (See page 41)



MRS. H. HARRISON



NELMA PUTNAM

MRS. CHESTER ROBINSON

This variety is a very tall, strong grower, running $4\frac{1}{2}$ to 5 feet tall in the benches. Flowers are very large, as large or larger than Doty, which it somewhat resembles, though it is deeper in color, being a lovely old rose shade of pink. Exceptionally robust in growth, with the stalk rigid and every flower well divided on the stem, so that no disbudding is necessary.

MRS. HENRY F. VINCENT

An exquisite shade of fawn and bronze with salmon-pink shadings, a color that was one of the most popular shades in New York during the season just past. This variety also is very strong in growth and the foliage is perfect in every way. We predict this will be one of the most popular Novelty colored Chrysanthemums when generally introduced.

MRS. H. HARRISON

One of the first of the Pompons to come in flower, being in excellent condition to cut outdoors the middle of October. The color of this variety indoors is a dainty, exquisite blush. As grown outdoors it is several shades deeper. Mrs. Harrison has a very vigorous constitution and makes a beautiful bush outdoors.

NELMA PUTNAM

The outer petals of this variety are rose-pink shading to pinkish-bronze in the center, and the very center of the flower is creamy-yellow. The color effect is very pretty.



MRS. HENRY F. VINCENT



Two Excellent Late Anemone Chrysanthemums

Price: 15c. per plant, \$1.50 per doz., \$10.00 per 100.

These two varieties proved exceptionally useful this year for cutting for Thanksgiving and we highly recommend them for this purpose.

EUGENE LANGAULET

Deep golden-yellow. Most popular variety in its color in the cut flower market.

GOLDEN LIDA THOMAS

Rather tall, deep golden yellow flowers; very valuable on account of its late blooming habit. Can be kept for Christmas, if desired.



Hardy Pompon Chrysanthemums

"BUTTON TYPES"

STANDARD VARIETIES

These are the smallest type of 'Mums known, the tiny "Baby" being possibly the best known of this type. Many of these kinds will bloom in fine condition until Thanksgiving.

Price: 15c. per plant, \$1.50 per doz., \$10.00 per 100.

BABY

Everybody's favorite. The smallest yellow variety grown.

JULIA LAGRAVERE

Crimson maroon; for cut flowers. One of the best.

BALTIMORE

Violet. Violet red; large single; quilled petals.

LELIA

Splendid scarlet bronze in color; tall, handsome flower, quite large in size.

BABY MARGARET

Said to be a pure white sport of Baby; a very beautiful thing.

LITTLE GEM

A beautiful shade of clear lavender pink, with long sprays of flowers, growing about 2 feet in height.

GOLDEN FIREBRAND

Deep golden yellow variety, in full flower September 25th. The earliest variety we have.

MARIANA

Large, snow white flowers on long stems that are splendid for cut flower work.



HARDY POMPON CHRYSANTHEMUMS, STANDARD VARIETIES—Continued

MRS. FRANK WILCOX

(*Mrs. Frank Beu*)

Color, reddish-orange, splendid variety for Thanksgiving use.

MYERS' PERFECTION

Fine, pure white; tall grower; well-known variety.

NIZA

Delicate pink in color; the earliest of this color to mature; dwarf, beautiful grower.

QUEEN OF THE WHITES

Fine, creamy white; best in its color.

QUINOLA

Deep yellow, one of the favorite varieties in its color.

ROSE TREVENNA

Rose colored Pompon; much deeper in color than the usual pink sorts.

SUSQUEHANNA

Very fine yellow, flowers gracefully irregular in outline.

WM. WESTLAKE

Golden yellow. An old variety that is still deservedly popular.

WACO

A very fine white variety with splendid stem and foliage; a well known sort.

YELLOW GEM

Large, full flowers; pure yellow.

ZENOBI

Pure yellow. Comes into flower first of all.

TOTTY'S 'MUMS have been the Leaders of the Exhibitions for the past seventeen years and never showed up more prominently than this year. We made a clean sweep all through the shows this Fall, in all the commercial classes, in Morristown, N. J., New York City and Washington, D. C., winning forty first prizes, as well as two silver cups, one gold and two silver medals.

This is not written in a spirit of boastfulness but to tell our customers if they want "quality," we have this year, as always, the best in the world.

Novelties of 1921 Introduction

GREENHOUSE ROSES FOR FORCING

GRAFTED

	Per plant	Per doz.	Per 100
2½-in.	\$1.00	\$10.00	\$60.00
3 -in.	1.20	12.00	75.00
4 -in.	1.30	13.00	80.00

OWN-ROOT

	Per plant	Per doz.	Per 100
2½-in.	75c.	\$7.50	\$45.00
3 -in.	85c.	8.00	50.00
4 -in.	90c.	9.00	60.00



GOLDEN OPHELIA

We distributed this Rose last year to a very limited extent, with the result that everyone who grew it was enraptured, as the color is by far the finest of any yellow Rose so far produced. The flowers are not so large as Sunburst but are produced in endless profusion. The growth is free and robust and the plant does not seem readily affected by mildew or spot. The color is a deep rich yellow throughout the entire flower. We offer Golden Ophelia on the reputation it has already made for itself.

GREENHOUSE ROSES—Continued



COLUMBIA SUPREME

COLUMBIA SUPREME

This variety is a sport from Columbia and has all the desirable characteristics of that variety with an even freer growth and habit. The foliage is dark and lustrous and is immune from all diseases that Rose plants are heir to. The color of the flower is entirely different to Columbia, running in cool weather as deep as Killarney Brilliant. This deep pink color, combined with its wonderful floriferous habit and handsome foliage will make this the ideal forcing variety in all private establishments that do not have the facilities to combat against mildew and other diseases.

WHITE OPHELIA

Originated with Bates Bros., of Cleveland, Ohio and as seen growing at their place is a most remarkable white Rose. Color, warm creamy white, slightly flushed in the center of the buds. To growers who can handle Roses of Ophelia blood, White Ophelia will prove itself a valuable acquisition.



Standard Varieties of Roses for Forcing

GRAFTED

2½-in.:	45c. per plant, \$4.50 per doz., \$40.00 per 100.
3 in.:	55c. per plant, \$6.00 per doz., \$50.00 per 100.
4 in.:	65c. per plant, \$7.00 per doz., \$60.00 per 100.

OWN ROOT

2½ in.:	30c. per plant, \$3.00 per doz., \$20.00 per 100.
3 in.:	40c. per plant, \$4.00 per doz., \$25.00 per 100.
4 in.:	45c. per plant, \$4.50 per doz., \$30.00 per 100.

BABY-DOLL

(The Everblooming Polyantha)

This delightful little "Sweetheart" Rose is an everblooming Polyantha, and will fall into the Cecil Brunner class for choice corsages and for fine, dainty floral work. The color is absolutely new, and quite startling in its brilliancy—golden yellow, tipped with clear, bright cerise; the arrangement reminds one of Mme. Watteville. The little buds and blooms are very perfect in form, elegantly finished, and borne in fine, erect panicles. The foliage is narrow, long and sharply pointed, a deep, glossy green—a very beautiful setting for the lovely little doll Roses.

COLUMBIA

This variety sends up quickly numerous stiff stems which are of good length without pinching and naturally throws long, stiff stems. It is a free grower with beautiful foliage, the leaves spaced just right to please a cut flower grower and to form a fine setting for the bloom. "A Rose without a thorn, almost!" Thornless for 10 to 12 inches below the flower, as well as very few thorns on the lower stem. Color true pink, about the shade of a perfect Shawyer, deepening as it opens to glowing pink; a peculiarity of the variety is that the shades all become more intense until the full maturity of the flower is reached.

CRUSADER

A rich, velvety crimson; fine, strong-growing variety; excellent flower stems and produces very little blind wood. For its size, a prolific producer.



ROSE COLUMBIA

ROSES, STANDARD VARIETIES—*Continued*

CECIL BRUNNER

Known under various names, such as Sweetheart, Mignon, etc. Is a dainty, miniature Rose. Light pink in color and every greenhouse should have a few plants of this beautiful little Rose.

DOUBLE WHITE KILLARNEY

There are several strains of Double White, but this stock we secured from a sport of Double Pink Killarney, and it is the finest type we have seen. In some soil Double White does not produce as many blooms as the Single White Killarney.

FRANK W. DUNLOP

A seedling from Russell, which is a great improvement on that variety in all respects and particularly in its quick free growth and freedom from spot. The color is somewhat on the shade of Russell, but altogether more brilliant. The form of the flower is ideal and no Rose we know of shows such character as does Dunlop. The flower is very large, larger than Russell from wood of equal strength. There are no malformed buds, even the strongest shoots produce perfect flowers. Flowers average about forty-five petals, but the shape is such that the flower opens freely in dark weather.

HOOSIER BEAUTY

A rich, velvety crimson in color with deeper shadings. It is as fragrant as Richmond, has more petals and better keeping qualities. In production of bloom it ranks with any forcing variety. It naturally throws 2- and 3-foot stems; never has a dormant period, starting new growth very quickly at any time of the year. The glowing color, sweet scent, well shaped buds, large, full flower, long keeping qualities, clean, healthy habit and freedom in growth and production of bloom have been declared wonderful. It is also easy to propagate.

MADAM BUTTERFLY

Described as a glorified Ophelia. It is altogether more vigorous in growth than its parent, Ophelia, as grown side by side in our establishment. Foliage and habit can be most quickly described as unsurpassed by any existing variety. The individual bud is larger and the color tints of Ophelia are greatly intensified, making it a harmony of bright pink, apricot and gold. It is so much superior to Ophelia in every way that we predict it will take the place of the latter variety.

MRS. AARON WARD

A general favorite; rather short in bud, but wonderfully free flowering. In the bud state color is a beautiful, rich yellow, which changes to shades of pink as the flower develops.

MRS. CHAS. RUSSELL

Pink American Beauty, enormous in size, which lines into beautiful shape in flower, stem and foliage.

MRS. JOHN COOK

White, suffused delicate pink; much better grower in summer than White Killarney; very strong and healthy in habit; looks as though it should fill a place in the white section.



PREMIER

ROSES—STANDARD VARIETIES—*Continued*

OPHELIA

Color clear, bright salmon, often deepening toward golden pink; wonderfully fragrant, with long pointed buds and stiff stems. Large, handsome foliage, showing that it is a wonderfully free bloomer and grower, and not prone to mildew. Growth free and continuous and does splendidly grafted on the Manetti.

PREMIER

Rose Premier is a cross between Ophelia and Russell. It has the stiff, thornless stem and quick, free growth of Ophelia, with ample foliage, approaching Ulrich Brunner or American Beauty in arrangement and size of leafage. The habit is perfect for a forcing Rose; the breaks come quickly and are of fine length, every one producing a flower, even the shorter stems giving fine quality of bloom. The flowers are of Russell type, and hold a clear, pure shade of rose-pink throughout the year, lighter in summer, deep rose-pink in cooler weather; a dozen blooms make an imposing bouquet. Its freedom of bloom and quick succession of crops make this a most productive forcing variety. Like Ophelia and Columbia, it is deliciously fragrant.

SUNBURST

Finest yellow Rose; proved to be the "King" of its color. We can supply grafted stock of this variety, but would recommend that it be grown as own root stock.

WHITE KILLARNEY

Similar to Killarney in all respects save color. Most largely grown white in cultivation today.



MARINELLI CARNATION

The Marinelli Carnations

PERPETUAL GIANT FLOWERING CARNATIONS

In accordance with our policy of listing all Novelties worth while, we are offering the Carnations of H. B. Marinelli, which were awarded a Gold Medal at the National Flower Show in New York, in the Spring of 1920.

Both of the following varieties are of French origin, originating from the type known as Malmaison Carnations. They are distinct and very much larger than the American Carnations. Mr. Marinelli's description is as follows:

"The latest and most amazing introduction of Carnations:

The sizes are almost astounding.

The forms are mostly in a globular or half-globular shape.

The colors vary indefinitely from white, red, crimson, violet, lilac and purple in all kinds of variations."

LASTING QUALITIES: After they are cut from the plants they keep on developing in water and with proper care can be kept from 7 to 14 days.

MERVEILLE FRANCAISE

The largest Carnations ever produced the colors being flesh with variegated dark pink stripes and spots.

LE MIRACLE

The most remarkable color every obtained in Carnations, being purple-lavender during the Winter, changing to a variegation of color in the Spring and Summer.

Price: \$2.00 each per plant, \$20.00 per doz.



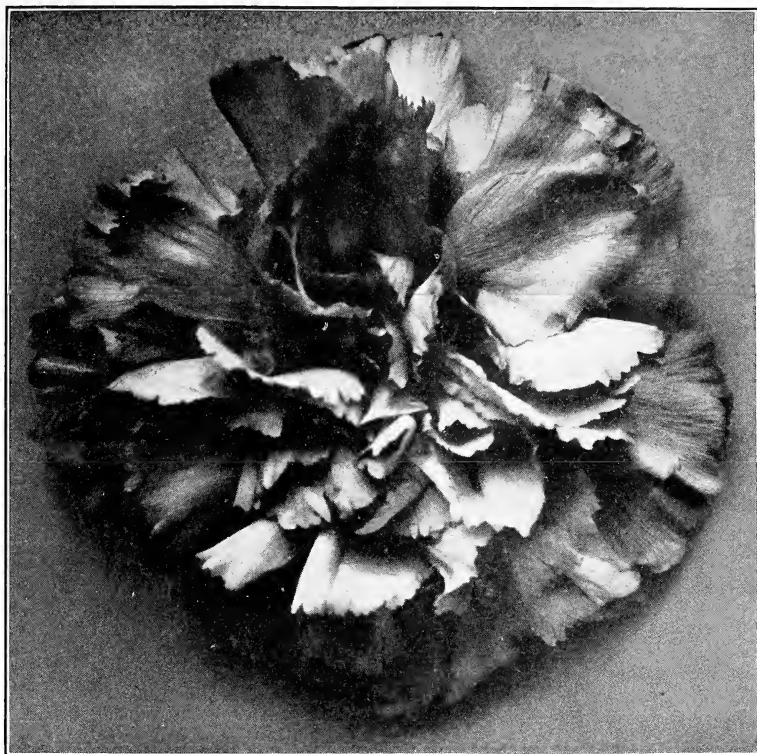
MAINE SUNSHINE

This variety is a clear yellow seedling without any other color shade in marking. Its chief point of superiority is its splendid, vigorous habit. Most yellow Carnations introduced heretofore have been lamentably deficient in constitution and we predict that "Maine Sunshine" will be very popular on account of its fine growing qualities. This variety was given a score of 90 points at two of the Annual Conventions of the Carnation Society; won the Dorner Gold Medal for the best new seedling and the Kerr Special Medal for keeping quality at Chicago in 1920. If you want a good yellow Carnation, place your order at once for Maine Sunshine.

Rooted Cuttings: \$3.00 per doz., \$20.00 per 100.

Pot Plants: \$4.00 per doz., \$25.00 per 100.

CARNATION NOVELTIES—Continued



CARNATION LADDIE

LADDIE

Rooted Cuttings: \$3.00 per doz., \$20.00 per 100.

Pot Plants: 2½-in., \$4.00 per doz., \$25.00 per 100.

This Carnation has established itself in the unique position of being worth more now than when it was introduced. The color is a warm rose-salmon pink; the flowers average 3½ inches in diameter, when it is at the proper stage for cutting and develops to 4½ inches in Winter. The keeping qualities are beyond question away ahead of any Carnation yet introduced. The calyx is all that can be desired. The plant is a splendid grower and the blooms in consideration of their wonderful size, very prolific. Laddie has been awarded more medals and prizes than any other Carnation. The demand even at this time, is far ahead of the supply and we advise to order early.

Carnations—Standard Varieties

Rooted Cuttings: 12c. per plant, \$1.25 per doz., \$8.00 per 100.

Pot Plants: 2½-in., 15c. per plant, \$1.50 per doz., \$12.00 per 100.

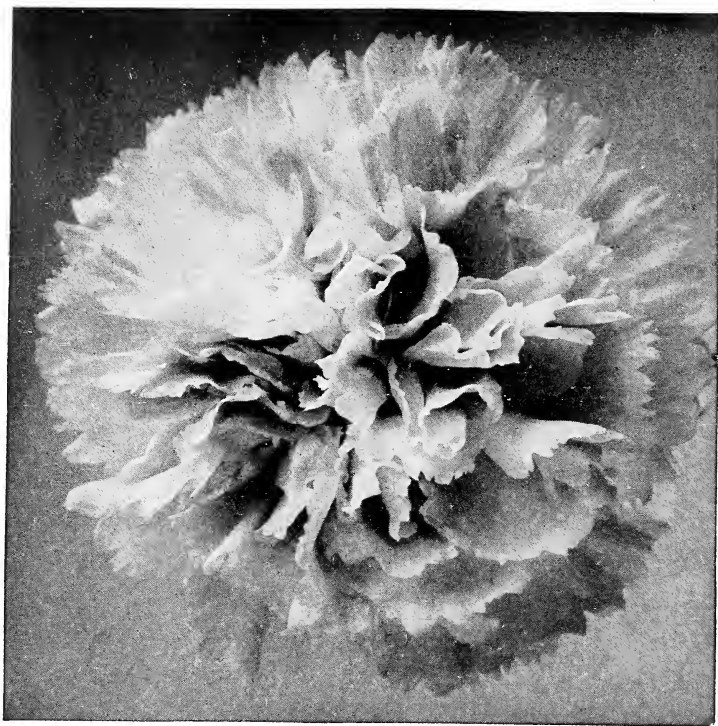
PINK VARIETIES

ALICE. Medium-sized blooms; perfect in form. Color a beautiful shade of clear blush-pink. More productive than Enchantress, with the same freedom of growth, and habit of plant all that can be desired.

MRS. C. W. WARD. Deep pink, large, perfectly formed flower with full center. Very popular in all the wholesale markets.

ROSE PINK ENCHANTRESS. A deeper shade of the favorite variety Enchantress, and largely grown in many sections for a rose-pink variety.

RUTH BAUR. A cross between Northport and Pink Delight. It has the strong growth of Northport, with the fine blooming and shipping qualities of Pink Delight. The color is similar to



CARNATION RUTH BAUR

CARNATIONS—STANDARD VARIETIES—Continued

Gloriosa, but is clearer pink and holds the color better. The bloom is of large size and round in outline, full of petalage and built up well in the center. The stem always holds the bloom upright and the calyx never splits. Very free-blooming variety.

ENCHANTRESS SUPREME. A splendid variety that is making good everywhere. Color is a light salmon pink several shades deeper than the original parent, Enchantress, and this variety persists in the bright sunlight without fading. It is better than Enchantress in every way. We cannot too strongly recommend this variety. Calyx is a non-splitter, and the plant is just as productive as the old Enchantress.

WHITE VARIETIES

CRYSTAL WHITE. Winner of the A. C. S. Gold Medal and numerous other prizes. If you are a Carnation grower you will be interested in seeing Crystal White. The same vigorous constitution as Matchless with large, full flower of the purest glistening white, early and very productive. Can be brought into full crop by November 1st.

MATCHLESS. Well named the Matchless White. Winner of two gold medals at the International Flower Show, New York, 1913. Blooms early and continuously; should line up as a great commercial variety. It seems to be easy to handle and very free. Flowers extra large, wonderfully fragrant.

WHITE BENORA. Similar to the parent, Benora, in all respects save color, which is glistening white. Very stiff stem, heavy flowers and quick-cropping proclivities.

WHITE ENCHANTRESS. Of the pure white strain. Splendid variety; satisfactory in all seasons.

WHITE WONDER. Begins to bloom in September and blooms throughout the season. Snow white and very fragrant. Exceptionally large in size.

SCARLET VARIETIES

AVIATOR. One of the very finest and freest scarlets ever produced; at its best for the Xmas crop. As every flower is perfect, this is a very profitable sort to grow. Color, form and habit perfect.

BEACON. The standard red. One of the freest Carnations grown and in more demand than any other variety.

BELLE WASHBURN. Brilliant scarlet, about 4 inches across, non-bursting calyx, free and continuous blooming variety. Very stiff stem.

NEBRASKA. Brilliant scarlet; very strong grower; stems long and perfectly stiff.

VARIEGATED VARIETY

BENORA. Clear white, penciled bright red. Narrow foliage; very free, vigorous variety.

CRIMSON VARIETY

DORIS. The commercial crimson. While not so large as Princess Dagmar, it is wonderfully free and persistent in blooming; coming in early and flowering continuously throughout the entire season. If you need a crimson—try Doris.



Tender Bedding and Greenhouse Plants

Abutilon

ECLIPSE. Mottled leaves and scarlet flowers.

SAVITZII. Variegated white and green foliage.

Price: \$1.50 per doz., \$10.00 per 100.

Alternanthera

AUREA NANA. Yellow, very compact in habit.

CARROLL PARK BEDDER. Dwarf red variety.

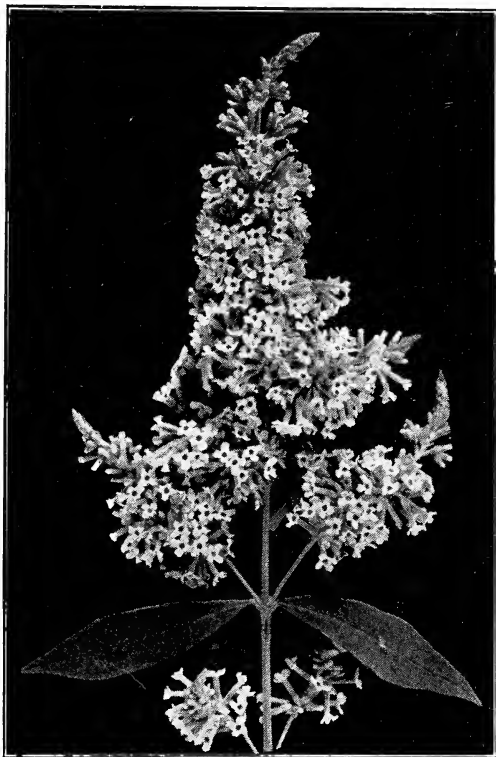
JEWELL. Rich carmine, very strong type.

VERSICOLOR. Crimson, chocolate and green foliage.

Price: \$1.00 per doz., \$6.00 per 100.

Godfrey Calla

We offer the true form of the Godfrey Calla; smaller than the Ethiopia type, but wonderfully free and very useful as a pot plant. 25c. each, \$2.50 per doz., \$18.00 per 100.



BUDDLEIA FARQUHARII

Buddleia

ASIATICA. This Buddleia differs from Variabilis and others of its type, in that it is not hardy and requires protection. It begins to bloom in December and continues to do so throughout the Winter season, if the plants are kept growing in a warm house; it produces long spikes of the most beautiful white flowers which have a delightful lilac fragrance. \$1.25 per doz., \$10.00 per 100.

FARQUHARII (Greenhouse Shrub). This new Winter flowering Lilac was raised in the nurseries of R. and J. Farquhar & Co., Boston, and is the first authentic hybrid in the genus. The flowers are pale pink, delightfully fragrant and are borne in long cylindrical tail-like clusters. It is of easy culture, flowers during December and January and is valuable for conservatory and house decoration and as cut flower. 2½-inch pots, 50c. each, \$5.00 per doz., \$35.00 per 100.

Ferns - For Fern Dishes

Assorted Ferns in all the best varieties: **CYRTOMIUM falcatum**, **PTERIS Mayii**, **P. cretica**, **P. albolineata**, **P. adiantoides**, etc. 2¼-inch pot plants, \$1.50 per doz., \$10.00 per 100.



BUDDLEIA ASIATICA



STANDARD HELIOTROPE

Heliotrope

ELIZABETH DENNISON. We have no hesitation in saying this variety is the finest Heliotrope ever seen. For years we have considered Centefleur as being the best variety. In Elizabeth Dennison, while the flower is about the same color as Centefleur, the individual trusses are considerably larger; in fact, much larger than any Heliotrope, and in addition, this variety is wonderfully fragrant; this latter is one of its strongest points. 25c. per plant, \$2.50 per doz., \$18.00 per 100.

CENTEFLEUR. One of the finest Heliotropes ever raised; dwarf and bushy in habit, with beautiful foliage; sprays of bloom very large; color a lovely deep blue, with a conspicuous white eye. 15c. per plant, \$1.50 per doz., \$10.00 per 100.

Standard Heliotrope

(Tree Type)

These plants are most desirable for conservatory decoration or for use in the center of flower beds. Stock in 8-inch pots, flowering $2\frac{1}{2}$ to 3 feet in height, producing large heads of bloom. These Standards were for years a feature of the bedding at Hampton Court, where they were seen and admired by thousands of Americans in the past. \$3.00 per plant.

Gardenia

The True Winter Flowering Type

We can supply this plant in any quantity. Spring delivery, $2\frac{1}{2}$ -inch plants, \$15.00 per 100; 3-inch plants, \$25.00 per 100; 4-inch plants, \$35.00 per 100.

Salvia America

Differs from other types as it is a perpetual bloomer; it can be brought in to flower for Christmas, Easter or any other desired time. It is just as free blooming as any other variety and the color is a brilliant glowing scarlet, with very bright, green foliage, making a gorgeous contrast. The constitution is particularly rugged and healthy. As an outdoor bedding plant, it will be in great demand as it is such an attractive addition to every garden. 15c. per plant, \$1.50 per doz., \$10.00 per 100.

Lemon Verbena

ALOYSIA citriodora. 2-inch, \$1.50 per doz., \$10.00 per 100.

Swainsona

GALEGIFOLIA alba. White.

GALEGIFOLIA rosea. Pink.

Price: \$1.50 per doz., \$10.00 per 100.



CANNAS

Cannas are among the most popular and magnificent of the Summer blooming plants and seem to do equally well in all sections of the country. Cannas are gross feeders; they need a generous amount of fertilizer and in dry weather should be watered freely. For best effects plants set out in large blocks, say 2 feet apart, allowing each plant room for individual development, will make a marvelous showing in any planting plan. Varieties are arranged in their colors so customers can make their own selection. Unless otherwise noted all varieties have green foliage.

WINTZER'S COLOSSAL. Without doubt the largest-flowered variety to date; the average bloom being over 8 inches across, very striking brilliant scarlet that retains its brilliancy; should be in every collection; height 5 feet. 40c. per plant, \$4.00 per doz.

PINK SHADES

MRS. A. F. CONARD. Grandest flesh-pink of the entire list already introduced; most striking and beautiful; height 4 feet. 25c. per plant, \$2.50 per doz.

CITY OF PORTLAND. Deep salmon-pink; very neat habit, particularly as a bedder when used with other plants; height 3½ feet. 25c. per plant, \$2.50 per doz.

BETSY ROSS. Beautiful rose-pink; valuable on account of its dwarf habit and very popular on account of its sentimental associations; height 3 feet. 15c. per plant, \$1.50 per doz.

HUNGARIA. Trusses of enormous size borne well above its bronze foliage; flowers very large with broad petals; color lovely delicate shade of pink; wonderfully free in bloom; height 3½ feet. 20c. per plant, \$2.00 per doz.

WABASH. Flower carmine-pink with very large bronze foliage; an exquisite color; height 3½ feet. 20c. per plant, \$2.00 per doz.

ZENITH. Orange-pink shading to salmon; tongues of the flower pure orange, rendering it entirely distinct from any other Canna. 15c. per plant, \$1.50 per doz.

YELLOW SHADES

YELLOW KING HUMBERT, or QUEEN HELEN. This is a green-leaved beautiful yellow sport of the noble and ever-popular King Humbert, and will undoubtedly be in yellow what its parent is in red, since the color is the only variation from the original King Humbert. 50c. per plant, \$5.00 per doz.

QUEEN OF HOLLAND. Rich orange-bronze foliage with bright yellow flowers; height 4 feet. 25c. per plant, \$2.50 per doz.

GOLDEN GATE. Ground color is golden yellow with crimson rays radiating from center; height 4 feet. 25c. per plant, \$2.50 per doz.

WYOMING. One of the tallest varieties, running in specially good soil as high as 7 feet; most majestic in growth and bears great blooms of flowers, deep yellow shading to orange; with purplish-bronze foliage. 20c. per plant, \$2.00 per doz.

RED SHADES

DRAGON. A recent novelty; distinct blood-red, very effective when planted en masse. Height 4 feet. 30c. per plant, \$3.00 per doz.

BEACON. Moderate sized flowers of rich cardinal red, very impressive variety; height 4 feet. 25c. per plant, \$2.50 per doz.

KING HUMBERT. Beautiful bronze foliage and flowers enormous in size; brilliant orange scarlet, streaked occasionally with crimson, one of the most largely grown of all; height 4 feet. 15c. per plant, \$1.50 per doz.

NEW YORK. Very brilliant scarlet; foliage rich plum color; one of the most distinct and decorative in the Giant-flowered section. Height 5 feet. 15c. per plant, \$1.50 per doz.



KING HUMBERT

CANNAS—Continued

RED SHADES—Continued

THE PRESIDENT. Height 4 feet. In color, a rich, glowing scarlet and the immense, firm, rounded flowers, 7 inches across when open, are produced on strong, erect stalks well above the large, rich green foliage. "The President" is superior to any other red variety in the quantity and also the quality of bloom, and the firm flowers resist drought and heat to a remarkable degree. A large bed of this variety was planted last year on the grounds of the Washington Monument, Washington, D. C. Another "President" Canna bed was on the Garden Pier at Atlantic City, while several more were to be seen in the largest public parks in this country where these beautiful flowers received the unqualified admiration of every Canna lover. Naturally a tremendous demand has been created. \$5.00 per doz., \$35.00 per 100.

LAFAYETTE. In some respects it resembles the famous "Meteor," but the flowers are a more intense scarlet. The heads of bloom are carried erect above the healthy, green foliage, producing a brilliant effect in mass planting. \$5.00 per doz., \$35.00 per 100.



THE PRESIDENT

CARMINE SHADES

MRS. WOODROW WILSON. Lovely light carmine; resembles Mrs. Conard somewhat, but is deeper in color; height 4 feet. 50c. per plant, \$5.00 per doz.

OLYMPIC. Rich oriental red, center shading to lighter red; individual blooms are very large, making enormous shades of flower; height 5 feet. 25c. per plant, \$2.50 per doz.

POCAHONTAS (Bronze Olympic). 4½ feet. Large, orient-red flowers, borne on firm, upright stems, just enough above the foliage to show the entire head. The foliage is a dark bronze-green with emerald shadings, the ribs a darker bronze. \$5.00 per doz., \$35.00 per 100.

FANCY SHADES

PANAMA. This is a very effective variety; color rich, orange-red, well defined with bright golden-yellow rim around the edge of the petals; height 3 feet. 25c. per plant, \$2.50 per doz.

GLADIOFLORA. Crimson shading to carmine rose and gold; exceptional bloomer; height 3½ feet. 25c. per plant, \$2.50 per doz.

GLADIATOR. Large flowers of light yellow speckled with red in center and lower petals of dark red, giving this variety a striking appearance by its contrast; height 4 feet. 20c. per plant, \$2.00 per doz.

GAIETY. Reddish orange, mottled with carmine and edged with yellow. The tongue is yellow and densely spotted with carmine. \$5.00 per doz., \$35.00 per 100.

WHITE SHADES

SNOW QUEEN. Height 4 feet. A striking contrast to "The President," and in circular beds Snow Queen makes a splendid border for the outside row with The President in the center. This is a vigorous growing, white Canna, large in flower and free in bloom. You cannot obtain it elsewhere or find its equal. The flowers are 6 inches across, with rounded petals 2½ inches broad, of firm texture, and having the faintest dots of flesh-pink on the petals, but the effect is snow-white. \$9.00 per doz., \$50.00 per 100.

FLAG OF TRUCE. 4 feet. A large, cream-white Canna with faint pink dots on each petal and a canary-colored tongue. When a short distance from the flowers, they appear pure white. \$5.00 per doz., \$35.00 per 100.

AMERICAN BEAUTY. Height 5 feet. This is the richest colored Canna we know—a velvety-oriental carmine or translucent cerise. It is unusually attractive, with its large flowers of tropical magnificence held on firm, straight stems in rich bouquets well above the soft green foliage. Practically every stalk produces two heads of bloom, and some have four. \$3.00 each.



Dahlia Novelties for 1921

The list of Dahlias offered today is bewildering in size, variety and loveliness. The best we can do is select the kinds that give the most general satisfaction and which we consider give us about all the colors that are necessary in the cultivation of this wonderful flower. Dahlias, naturally do better along the seashore, on account of the large amount of moisture usually present in that location. The time of planting in our section we have found is best in June. By waiting until the season is quite well advanced, we have found the plants seem to come away and bloom more freely.

If the plants are set out in good rich soil and cultivated once a week and staked so that each plant is allowed a space of from 2 to 4 feet to grow in, little more care is necessary for their successful culture.

New Type "Star Dahlias"

Price: \$1.00 each, \$10.00 per doz.

This new type of Dahlia has become wonderfully popular, proving itself "a thing of beauty and a joy to every amateur" all over the land.

We imported these varieties some years before the war but did not have sufficient stock of any of them to disseminate before this time. We found on a recent visit to Great Britain, that these were the most popular flowers for the cut flower markets, and we feel they are destined to be tremendously popular in this country. The stock of all varieties is limited.

In our own trial grounds, they excite delighted comments from every visitor to the establishment.

Culture.—The culture of Dahlias is very simple. They will give splendid results in any good garden soil. This "Star" type, should be planted 3 feet apart. They grow to a height of about 4 feet and then the flowers tower over the heavy foliage of the plants for about 18 inches. In other words, the flowers have stems of about 18 inches and are perfectly rigid and erect in growth.

The planting time of Dahlias is important. We figure in planting in our own section that stock planted too early in the season is not successful, therefore, we do not suggest planting Dahlias until the season is well advanced.

We offer the following varieties in the "Star" Type. Green plants. May and June delivery.

CRAWLEY STAR

Lovely shade of deep rose-pink with a scarlet zone in the center. The brilliant yellow eye in the center of the flower gives it a very distinctive appearance.



CRAWLEY STAR

DAHLIA NOVELTIES—Continued

WHITE STAR

Beautiful pure white flower with an orange center; greatly resembling a Water Lily. Produces enormous quantities of blooms on stiff, wiry stems, which last a considerable time in water.

PRIMROSE STAR

Lovely, clear primrose yellow, identical in all respects with "White Star," except in its color.

AUTUMN STAR

Brilliant carmine, with scarlet and bronze shadings through the petals. Very productive, having a great quantity of flowers, showing on the plant throughout the season. One of the showiest of the entire collection. We strongly recommend this variety.

IFIELD STAR

Enchantress shade of pink, with bright yellow center, making a charming contrast. One of the most refined of the set.

SUSSEX STAR

Brilliant rose-pink with canary zone in the center. Petals beautifully arranged and it may be added this arrangement is characteristic of the entire collection.



TOTTY'S GIANT COLLARETTE "CLIMAX"



ADA FINCH

MRS. J. GREEN
(DECORATIVE TYPE)

Vivid, brilliant scarlet in color, with very large, full flowers. We received this variety from California and it more than surpasses the wonderful description that accompanied it. We consider it the finest red in our garden. \$1.00 per plant, \$10.00 per doz.

ADA FINCH
(NARCISSI-FLOWERED)

This variety is a forerunner of a new type of Dahlias termed the Narcissi-Flowered Type, on account of the center of the flower. On this particular variety, the outer row of petals are pure white and stand straight out from the center, while the center itself is tufted with the pale yellow, quilled petals standing up in the same manner as the Double Narcissus. \$1.00 per plant, \$10.00 per doz.

CLIMAX
(COLLARETTE-FLOWERED)

A variety of surpassing merit and beauty. Brilliant scarlet with outer petals shaded bronze. The collar, is of pale gold, around the deep orange center, making a most striking combination. We call it "Climax," as we consider it the last word in "Collarette Dahlias." \$1.00 per plant, \$10.00 per doz.



DAHLIA NOVELTIES—Continued

Peony-Flowered Dahlias

PINK BEAUTY

A wonderful variety in the Peony type. Flowers are borne on stems 18 inches to 2 feet long, perfectly rigid. Color is a brilliant carmine, veined and flecked silvery pink. \$1.00 per plant, \$10.00 per doz.

CARL PURDY

A wonderful introduction in every respect. The flowers are very large, held erect on long, strong stems. Color, a bright, fiery scarlet. The plants are of excellent habit and of a particularly strong constitution. \$2.00 each.

JEANIE PRESTON

In color, a pale lemon-yellow shading to Martinus yellow, overlaid a delicate Japan rose. Reverse of petals a deep Japan rose. This is my largest and finest rich yellow Peony-flowered seedling and I can highly recommend it. Flowers of gigantic size and produced on good, long stems, well above the foliage. \$5.00 each.

LATONA

NEW HOLLAND PEONY-FLOWERED DAHLIA

An unusual blending of orange, buff and yellow. Flowers are nearly full to the center, and produced freely, upon good stems. \$1.00 each.



PINK BEAUTY

NEWPORT DANDY

A lilac-pink of the most delicate shade. The yellow center is open with the inner petals curling and twisting over it. A large size flower and a very profuse bloomer. \$1.00 each.

Novelties in Decorative Dahlias for 1921

FRAU GEHIMRAT SCHEIFF

An exquisite blending of apricot, orange and yellow with reverse of petals coral red; the unopened central and twisted petals showing the coral red prominently, making a very unusual and attractive flower. It is an early bloomer with large flowers of perfect Decorative type. The plants are of good habit, producing their blossoms on exceptionally long, stiff stems, well above the foliage. \$2.00 each.

JONKHEER BOREEL VAN HOOGE LANDEN

A new Holland importation commonly called "Jhr. Boreel." An elegantly formed flower, of gigantic size and without doubt the finest of its color in existence. The flowers are full to the center and approaches that of "King of the Autumn" in color, although I consider it a far better Dahlia. A rich, deep orange terra cotta. \$2.00 each.

MRS. ELLA CLINE

A beautiful glistening pure white, with good stems, and a Dahlia that has proven an ideal all round variety. It is very free flowering and in blossoming qualities and purity of color, it is not surpassed by any white Decorative I have seen. \$2.00 each.



Phenomenal New Cactus Dahlias for 1921

ALICE B. RAND

An exquisite shade of rose, much deeper than Tyrian rose, passing to a deeper shade at the tips. The flowers are perfectly formed and of moderately incurved shape. The plants are of good height and produce their blooms on long, wiry stems. \$3.00 each.

BECKET

A valuable addition to the Cactus class. The plants are tall and sturdy with exceptionally good flower stems and produce the blooms freely. The color is a delicate shade between deep mallow purple and clear rose, blending to white at the center. The flowers are large with long, slender petals slightly incurved. A fine flower for either garden or exhibition. \$1.00 each.

BERTRAM S. VARIAN

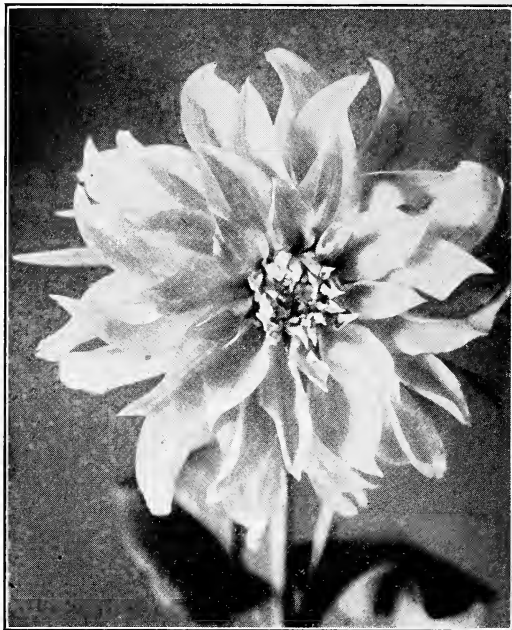
A very brilliant, deep scarlet of the moderately incurved form, of good size on long stems. This is one of the freest-flowing Dahlias in my new list, and this fact combined with its brilliant coloring will make it especially conspicuous and attractive in any garden. \$3.00 each.

CYGNET

A beautiful lemon-yellow at center gradually shading off to a paler shade of the same color, exquisitely striped and splashed bright scarlet-red. This variety is one of the very finest Cactus Dahlias. The stems are long and stiff and carry the blooms well above the foliage. The flowers are of large size and the petals are tightly quilled and gracefully incurving. \$2.00 each.

GENERAL SMITH-DORRIEN

A new, incurved English Cactus Dahlia of a fiery scarlet color and of the finest quality. A beauty in every way. \$2.00 each.



JONKHEER BOREEL VAN HOOGELANDEN

JOSEPH SPRY

One of the largest and finest of the New Cactus Dahlias. The florets are very tightly quilled and long, being almost straight until nearing the tips, when they moderately incurve. The color is a beautiful, deep chrome-yellow gradually passing to apricot-yellow and blending to strawberry-pink at the tips. A variety that belongs in the first rank as an exhibition flower. \$5.00 each.

LAPWING

Exceptionally large blooms of the finest quality. Color orange shaded red. One of the very best. \$1.00 each.

MRS. C. COOPER

One of the largest Cactus Dahlias yet produced. The petals are long and very narrow, slightly incurved. The color is a charming cream-suffused salmon. \$1.00 each.



Honorable Judge Josiah T. Marean's WONDERFUL DAHLIA CREATIONS

Produced by him in his private gardens at Green's Farms, Conn.

MEPHISTOPHELES

Hybrid Decorative; the insolent beauty of this Dahlia makes itself felt through its giant flowers held perfectly erect on extra long, stout stems; ruby red, very vigorous grower, producing many flower stalks on a plant growing to a height conservatively averaging 6 to 8 feet. Is considered the best Dahlia in existence.

Price: \$25.00 per each strong bulb division.

MRS. I. DEVER WARNER

True Decorative type of largest size; color a deep mauve pink; strong grower and very free bloomer; a magnificent and most desirable Dahlia in every way. Average height, 5 to 6 feet.

Price: \$15.00 per each strong bulb division.

JUDGE MAREAN

A perfect Decorative type of a most beautiful color difficult to describe; for the most magnificent color of his entire collection this Dahlia was named after the judge by his wife; this variety won the Special Grand Champion Award at the American Institute Show in 1919. The "Judge" is a wonderful combination of glowing salmon pink, red, iridescent orange, yellow and pure gold; it is a continuous bloomer and at its best in August. Average height, 4 feet.

Price: \$10.00 per each strong bulb division.

LADY BETTY

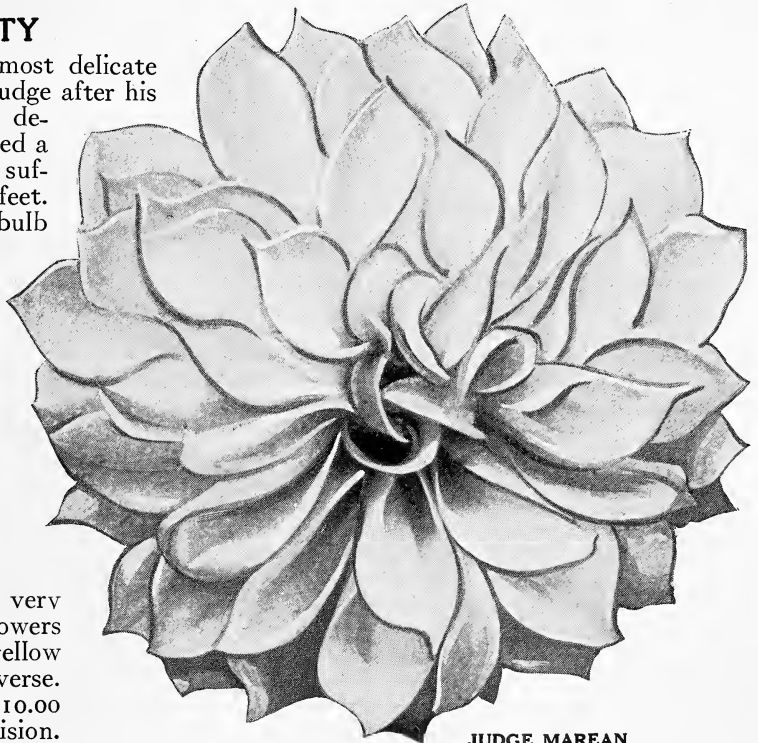
Decorative type; of most delicate beauty, named by the Judge after his wife; color difficult to describe but might be called a creamy-white with pink suffusion; average height, 5 feet. \$10.00 per each strong bulb division.

PEG O' MY HEART

Very fine Dahlia Peony flowered type; extremely attractive color being of an old rose shaded to soft golden. Average height 5 to 6 feet. \$10.00 per each strong bulb division.

CLEOPATRA

Peony-flowered type; very strong grower; large flowers on wiry stems; fine yellow shade with tangerine reverse. Average height 5 to 6ft. \$10.00 per each strong bulb division.



JUDGE MAREAN



Standard Varieties Cactus Dahlias

CLINCHER

As the name denotes, giving a clinching appearance, the florets or petals being gracefully and effectively incurved and so perfect as to almost meet in the center. Flowers of gigantic size, produced with great ease on pendant stems. The color of this variety is most pleasing, a beautiful shade of heliotrope, blending to white at the center. 75c. each.

F. W. FELLOWS

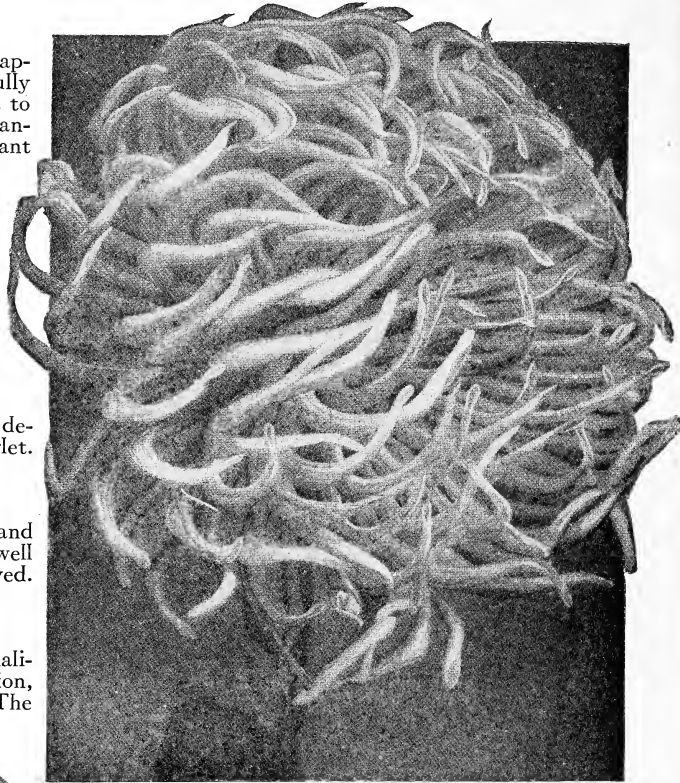
The originators of this variety claim it to be one of their greatest successes. The flowers are not only large, but of great depth, as well. The petals are narrow and very numerous, allowing the flowers to remain full until long after their prime. The growth and habit is all that could be desired. The color is bright orange-scarlet. \$1.00 each.

GOLDEN EAGLE

Blossoms orange-yellow, suffused rose and fawn. Produced on long, stiff stems, well above the foliage. Moderately incurved. 50c. each.

H. H. THOMAS

Few varieties combine so many good qualities. The flowers are of beautiful formation, having long incurving florets or petals. The



CLINCHER

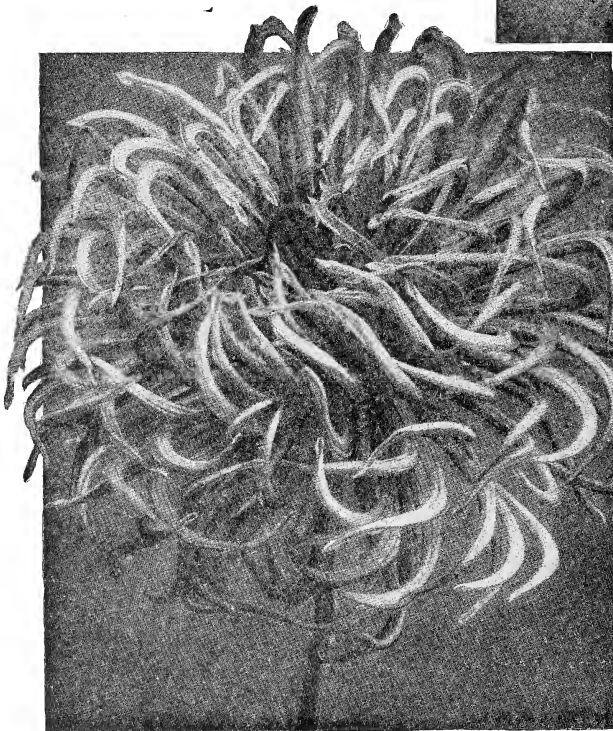
habit of the plant is excellent; a free flowering variety, possessing long, straight stems and producing its flowers well above the foliage. The color is a rich deep crimson. 75c. each.

MRS. BRANDT

The flowers are exceptionally large, charmingly beautiful and perfect for exhibition purposes. The florets or petals are exceptionally long and very evenly distributed, standing out like a circular array of spears, while the center is a picture of perfection. The plant makes splendid specimens, with deep green foliage and carry their blossoms on enormous stems well above the foliage. The coloring is most exquisite; a beautiful salmon-buff blending to golden yellow at the center. One of the largest and most satisfactory. \$1.00 each.

MRS. EDWARD DRUREY

This new creation will prove a thoroughly reliable variety in any situation. Color a delicate shade of purple-crimson. The flowers are formed evenly but are not strikingly incurved. Large blossoms, produced freely and good throughout the season. \$1.00 each.



MRS. HENRY RANDLE (See Page 62)



STANDARD VARIETIES OF CACTUS DAHLIAS—Continued

MRS. HENRY RANDLE

We can rightly term this a model Dahlia. The coloring is one of the sweetest imaginable, being pale cream at center, quickly changing to a lovely rose tint, distinctly tipped creamy white. The florets are tightly quilled and very gracefully incurved. The plant is exceptionally healthy, having an upright and pleasing style of growth. \$1.00 each.

SCORPION

One of the most sensational of the incurved Cactus Dahlias. A flower of absolutely unique formation, the florets being very narrow and so gracefully and effectively incurved, twisted and interlaced as to almost meet in the center. At first sight, one would think it a Chrysanthemum. The blossoms are of medium size and of a beautiful clear yellow color. This variety is a great favorite with specialists abroad, especially appealing to the lovers of irregularly formed Cactus Dahlias. 50c. each.

RICHARD BOX

A clear, light, soft shade of yellow. This variety blossoms early and maintains a steady average of fine flowers throughout the season. Moderately incurved. \$1.00 each.

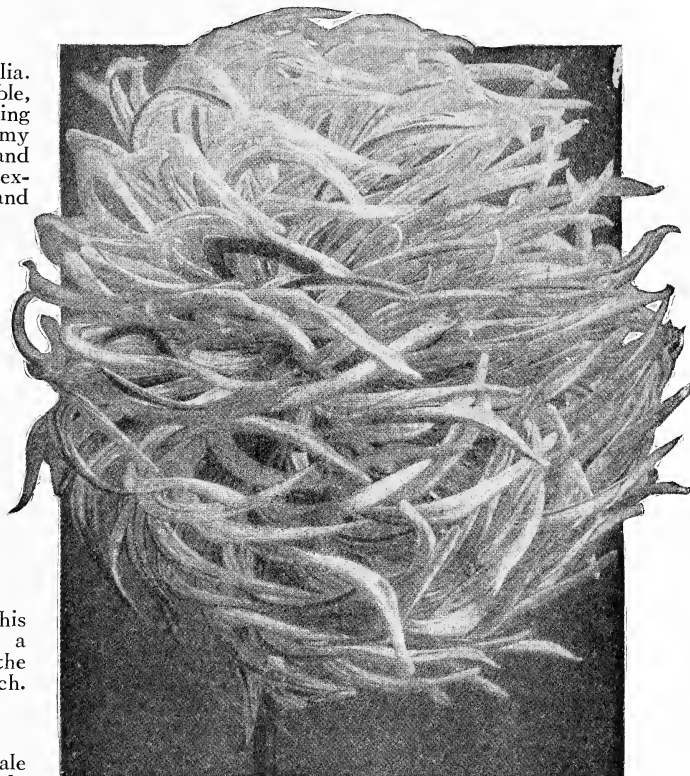
SYLVIA

Beautiful deep pink, blending to pale lemon at the center. Petals long and slightly incurved. \$1.00 each.

THE IMP

This wonderful introduction is best described as "The Black Dahlia," the color being as near black as any we have ever seen in Cactus Dahlias. A beautifully formed flower with long, claw-like petals

and exceptionally good incurved form. The flowers are large, wonderfully gorgeous and so dark that they have gained the name "The Black Dahlia." This variety is one of the best in every respect, the plants being splendid, robust growers and remarkably free flowering. 75c. each.

**SCORPION****Giant Hybrid Cactus Dahlias**

The Hybrid Cactus Dahlias are the giants of the Cactus type, much larger than any of the other Cactus. They are the latest creation in Dahlias and possess good habit and great ability to blossom. They are importations from all parts of the world and combined make a collection unsurpassed for either garden decoration, cut flowers, or exhibition purposes.

ATTRACTION

A large, elegant flower of a clear lilac-rose. The habit is perfect, with long, strong stems, holding the blossoms stiff and upright. The long, stiff stems of the Hybrid Cactus Dahlias make them far superior to all other Cactus Dahlias. \$1.00 each.

BIANCA

A new, free flowering Dahlia of large size and splendid form. The coloring is a beautiful rose-lilac with white shadings. The blossoms are held perfectly erect on long, stiff, wiry stems, well above the foliage. \$1.00 each.

GEORGE WALTERS

This variety is the most wonderful Dahlia ever offered and truly the finest of the Hybrid Cactus type. It has the long, broad quilled petals typical of all this type and the most exquisite coloring imaginable, a bright salmon-pink, artistically suffused with old gold. The flowers are produced on long, stiff, wiry stems, well above the foliage. It won the gold medal for the largest and best specimen Dahlia at the Panama-Pacific Exposition, where it was first exhibited. We have just been able to secure a stock and feel we have sufficient to meet all demands, but would recommend that orders be placed early. \$1.00 each.

GIANT HYBRID CACTUS DAHLIAS—Continued

KALIF

A truly majestic flower, frequently measuring over 9 inches in diameter. The flower is of perfect Hybrid Cactus form and in color a beautiful pure glowing scarlet. The habit of the plant is all that can be desired, growing with us about 5 feet in height. The gigantic flowers, which are produced freely, are held erect on strong stems of wiry stiffness, making it a most effective and useful variety for cutting, as well as for garden decoration. "Kalif" has the distinction of being the first Dahlia to receive the National German Dahlia Society's highest award and although originating in Germany, is worthy of a place in every garden. 75c. each.

MRS. C. H. BRECK

One of the most fascinating and attractive of this collection. A variety of exceptional merit, with long, stiff stems and a perfectly shaped plant. It is one mass of blossoms throughout the entire season. The blending of colors is superb; a beautiful creamy yellow passing to various shades of rose-pink. 75c. each.

MRS. FERDINAND JEFFRIES

Another giant, the nearest to black in this collection and a Dahlia destined to hold a prominent place in gardens of the future. Flowers are from 6 to 9 inches in diameter and produced with perfect freedom on plants of good habit. A very deep rich wine-crimson. \$1.00 each.

YELLOW KING

Another giant Hybrid Cactus Dahlia that is splendid for cutting. A very beautiful pure yellow, passing to a lighter shade at the tips. The stems are very long, stiff and upstanding, the plant is a vigorous grower and an early and prolific bloomer. \$1.00 each. A splendid introduction.



GEORGE WALTERS

MRS. WARNAAR

A "Garden Cactus" of superior quality, heralded from Holland and recommended as one of the finest cut flower varieties in existence. This most fascinating variety appeals to every flower lover as a true sensation. The coloring is exquisite, being a delightful creamy white, overlaid and blending to a charming shade of delicate pink. The flowers are produced on long, stiff stems, well above the foliage and the habit of the plant is all that could be desired; it being tall and upright. Blossoms are of gigantic size and great merit. "Mrs. Warnaar" when first exhibited in Holland, received an Award of Merit at Haarlem given by the Dutch Bulb Growers' Society and an Award of Merit at Amsterdam given by the Netherland Society of Horticulture. \$1.00 each.

New Giant Decorative Dahlias

The Decorative Dahlia is the pride of all Dahlias, standing out pre-eminently. In the garden the plants are strong, sturdy, vigorous growers, with heavy, dark green foliage, and a remarkable constitution. The blossoms are produced in great profusion, which is exceptional for a type of Giant-flowering Dahlias. For cut flower purposes they are unsurpassed, having long, straight stems of wiry stiffness and producing their flowers in a pleasing upright manner; then principally, their lasting qualities when cut—they are unequalled, lasting longer than any of the other types. As an exhibition flower the Decorative Dahlia is the most gigantic of all Dahlias, blossoms having beauty, substance, quality—all essential characteristics of a true "Model of Perfection." As a decorative flower they are first in every respect; being graceful, adapted to designs, and most artistic.

The blossoms of the Decorative Dahlias are large, flat, but beautiful in shape and full to the center; the petals are somewhat irregularly situated, long, broad, flat and nearly straight.

CALIFORNIA

This new creation was imported from Holland last season and in our fields this year proved all one could desire of a Dahlia; its flowers were of large

size and produced with exceptional freedom on straight, stiff stems, well above the foliage. In color, it is a live shade of pale lemon yellow. \$1.00 each.



NEW GIANT DECORATIVE DAHLIAS—Continued

DARLENE

An exquisite shade of live shell-pink with a dainty blending of white at the center. The plants make ideal specimens, averaging about 3 feet in height, a single plant making a very effective showing. For massing or hedging "Darlene" is ideal. The foliage is a heavy deep green, a perfect contrast with the pink and white blossoms. This variety is one of the most satisfactory garden varieties we are offering, the plants being literally covered with blossoms from early July until frost. The uniformity and perfection of the flowers shows unusual qualities. \$1.00 each.

FRANK A. WALKER

A charming shade of lavender-pink. For house decoration, gardens or cut flower purposes this variety is exceptionally good, having long stems and producing flowers in great abundance. This splendid Dahlia should be in every garden. 50c. each.

KING OF THE AUTUMN

This is one of the finest Decorative Dahlias which has ever been introduced. The habit is absolutely perfect with strong, sturdy plants. It has long, stiff stems and is remarkably free flowering. As this variety has all the good qualities of a Dahlia and is one of the most desirable sorts, it therefore bears our very highest recommendation. The coloring is new and unique; buff yellow suffused terra cotta; the first impression being a golden orange. \$1.00 each.

HORTULANUS FIET

The coloring of this variety is exceedingly wonderful—a beautiful shade of salmon exquisitely blending to yellow at the center. Flowers are of gigantic size and produced on long, stiff stems well above the foliage. 75c. each.



TENOR ALVAREZ



ROSE GEM

HORTULANUS WITTE

A perfect wonder. Its remarkable qualities being excellent type, perfect form and purity of color. The flowers are borne in a miraculous profusion upon long, stiff stems, well above the foliage. The color is a waxy, almost glistening pure white; a beauty in every sense of the word. 50c. each.

LEO XIII.

This is the largest yellow Decorative Dahlia to my knowledge; being one of the most prominent for exhibition purposes. The flowers are of that rich, deep golden yellow that pleases everyone. \$1.00 each.

ROSE GEM

Another new variety imported this last season from Holland and one that proves to be the finest of its color to date. The habit of the plant is perfect, it being a good strong growing variety, producing its blossoms upon strong, stiff stems well above the foliage. The coloring is very beautiful, something entirely new, with a silvery sheen; a pleasing shade of salmon-pink. We think "Rose Gem" properly named, as it surely is a gem among Dahlias. \$1.00 each.

TENOR ALVAREZ

This new variety is a giant among giants; truly, one of the finest Dahlias to our knowledge. The flowers are produced upon long, wiry stems well above the foliage which is remarkable for a flower so large. The color combination is very pleasing and attractive but difficult to describe—violet-red, very heavily striped and splashed lilac and white. \$1.00 each.



Selected Named Dahlias

Prices: 25c. each, \$2.50 per doz., except where noted

AMERICAN BEAUTY

The color of this new acquisition is a gorgeous wine crimson. The blossoms are of a colossal size, petals being beautifully cupped and quilled. 50c. each.

ACHIEVEMENT

The flowers of this phenomenal creation are very novel, the large petals being of a clear, rich, velvety maroon with a smaller ring of petals arranged around the yellow center of pure white. 35c. each.

CAECELIA

A magnificent flower of great individuality; one that will give perfect satisfaction. A wonderfully large creamy white flower. 50c. each

COUNTESS OF LONSDALE

Chrysanthemum-like flowers of a beautiful deep salmon-red shade. This variety is the most free-flowering of the Cactus type and is unquestionably the most popular Dahlia in existence. 35c. each.

GLORY OF BAARN

The prominent feature of this Dahlia is its fragrance, which is so different and pleasing that one cannot believe it a Dahlia. Instead of the ordinary Dahlia odor, it has a very pleasing and



COUNTESS OF LONSDALE

agreeable fragrance. The coloring is exquisite, being a delightful clear soft pink; a most pleasing flower, whose light, rosy tint forms a perfect contrast with the deep green foliage. The flowers are semi-double and of large size; the beautiful golden-yellow center lending an additional charm to this acquisition. 35c. each.

JEANNE CHARMET

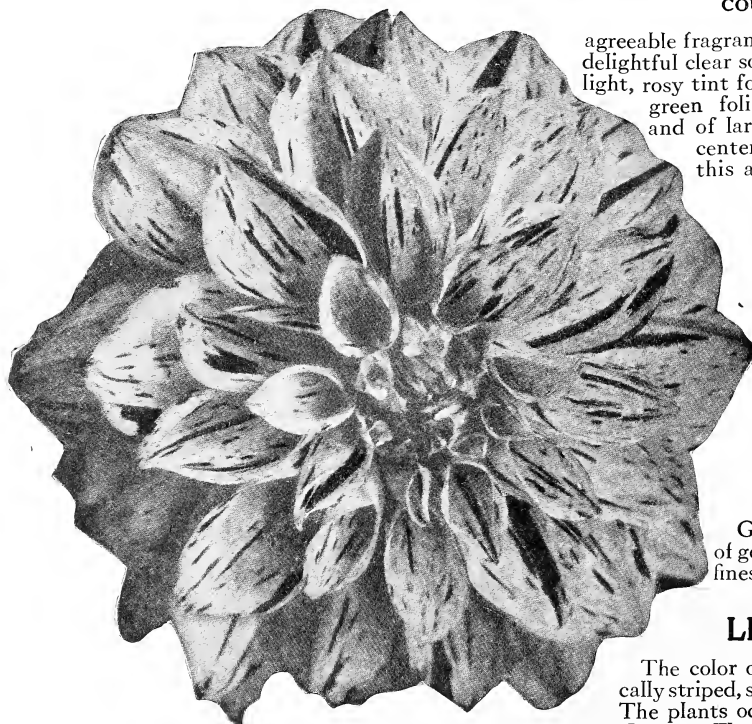
A perfect Dahlia with broad, flat petals and a full center. The flowers measure from 7 to 10 inches in diameter and are borne on stiff, wiry stems, frequently 18 to 24 inches long. The color is a most exquisite shade of lilac-pink, daintily shading to pure white toward the center, with a tinge of light yellow at the margins. 35c. each.

J. H. JACKSON

Gigantic Chrysanthemum-like flowers of gorgeous velvety blackish-maroon. The finest black Cactus Dahlia.

LE GRAND MANITOU

The color of this superb variety is white, artistically striped, splashed and blotched deep violet purple. The plants occasionally bear a solid purple colored flower. Flowers of gigantic size. 35c. each.



LE GRAND MANITOU—DECORATIVE DAHLIA



SELECTED NAMED DAHLIAS—Continued

MME. VAN DEN DAELE

Flowers large, of extra fine form, and produced upon exceptionally good stems well above the foliage. As a cut flower variety it is unsurpassed. White, deeply edged a silvery-pink; a blending of colors rare among Dahlias. 35c. each.

MINA BURGLE

This is one of the finest broad, flat-petaled Dahlias in existence, always giving satisfaction and producing blossoms of gigantic size with perfect centers. In color, a glowing and most brilliant rich crimson-scarlet. 50c. each.

MINOS

The blossoms are produced on stems from 15 to 25 inches in length, well above the foliage. The color is an intense velvety maroon, almost black. An ideal Dahlia in every way.

PRIDE

Miniature crimson-scarlet flowers. A model of perfection in shape.

PRIMROSE DAME

Spherical, exquisitely quilled flowers of a lovely primrose-yellow shade. Free flowering.

QUEEN WILHELMINA

An immense fluffy flower, of pure glistening waxy white, showing its beautiful golden yellow center very prominently. One of the finest of the Peony-flowered Dahlias.

SOUVENIR DE GUSTAVE DOAZON

The largest Dahlia in existence, often measuring 9 inches in diameter and can be forced to measure over 12 inches. The plant is very tall, vigorous grower, with heavy dark green foliage and a remarkable constitution. In color, a pleasing shade of orange-red. This Dahlia should be in every garden.

STORM KING

The most reliable pure white frilled Dahlia to date. Spherical flowers produced on good stems well above the foliage.

STRADELLA

Beautiful flowers of a deep purple-crimson; produced exceptionally free. Petals quill way back to the stem, making a perfectly spherical flower.

W. B. CHILDS

A large, deep purple Hybrid Cactus Dahlia that we can highly recommend.

MIXED DAHLIAS

An assortment, including all colors and all types known, many very beautiful and new varieties that have become mixed through carelessness are among this mixture. 15c. per plant, \$1.50 per doz., prepaid. \$1.00 per doz. at purchaser's expense, by express.

DAHLIA SEED

For the benefit of customers who wish to raise their own varieties, we offer selected seeds saved from the very choicest varieties which are sure to produce some magnificent kinds. These seeds will bloom the first year and be a source of constant delight. \$1.00 per pkt.

MIGNON DAHLIA SEED

We also offer seeds saved from the popular little Mignon Dahlias that will give you flowers in all colors. This type of Dahlia grows only about a foot high and are splendid for border or bedding plants as they are covered with blossoms from early in the season until heavy frost. \$1.00 per pkt.



MME. VAN DEN DAELE



MIGNON DAHLIAS

MIGNON DAHLIAS

(Dwarf Bedders)

These are all single varieties and are produced in distinct colors. The whole of the plants are only about 18 inches in height, and they need to be seen to be appreciated for their extreme value as bedders, or for edgings to beds, borders, or shrubberies. The plants are of a compact, close habit and they produce a dense mass of flowers of the most brilliant colors.

Price: Plants in Spring: 30c. per plant, \$3.00 per doz., \$20.00 per 100.

AGNES

Purple, very distinct.

ALBION

Pure white, very fine.

DAFFODIL

Splendid rich yellow.

DAPHNE

Deep maroon of good habit.

DAZZLER

Bright orange-scarlet.

ETNA

Crimson scarlet, magnificent variety.

JUBILEE

Bright pink, very bushy and pretty.

NIVEUS

Pure white, bushy habit.

OLIVE

Brilliant orange, bushy and free.

PEMBROOK

Lovely buttercup yellow.

One each of the above varieties for \$2.50.



GLADIOLI

CULTURAL DIRECTIONS

The Gladiolus is a flower of easy culture and does well in any soil, but should be planted in full exposure to the sun. They will do well planted in the hardy borders or in front of shrubbery. Many of the best varieties produce small bulbs, and in buying a mixture you will find it much better when the size of the bulbs varies to a considerable degree. The largest bulbs do not always give the best results. It is essential that the bulb should be of blooming age rather than size. Soil should be well prepared in the early Spring, with a good coating of agricultural lime and bonemeal thoroughly worked into the soil, but fresh stable manure should be used only where the ground may be manured the previous Fall and well worked over in the Spring before planting.

Plantings for cut flowers should be made in rows 18 inches apart, with bulbs 3 inches apart in the row, covering from 4 to 6 inches, according to the size of the bulbs; press the earth firmly around each bulb. Care should be taken to plant the bulbs right side up, and deep enough so that the new bulb, which forms on top, will not be pushed too near the surface. For succession of bloom, plant from the time the ground can be worked until July 1.

In cutting the flower spikes, it is ruinous to cut the stalk where the flowers end. There must be some foliage to lend grace. Cut the spikes so as to leave two or three leaves on your bulb root, thus giving you a flower spike sometimes nearly 4 feet long, leaving plenty of strength for the bulb and beauty for the decoration.

In shipping cut blooms of the Gladiolus, it is absolutely essential that they be shipped dry, after standing for a while in water.

All orders for Gladioli must be accompanied by postage and delivery charges at the rate of 20 cents for each 100 bulbs or fraction thereof.

Named Gladioli

Varieties marked with an asterisk (*) are particularly fine for forcing.

ALICE TIPLADY. The queen of the Primulinus type. A soft, coppery-bronze. In color, texture and contour nothing surpasses this variety. \$3.50 per doz., \$30.00 per 100.

***AMERICA.** Too much cannot be said of this beautiful, dainty pink. The flowers are of immense size and of wax-like texture, borne on a very strong spike. 60c. per doz., \$4.00 per 100.

AMETHYST. A remarkably strong, open flower of a deep amethyst color, slightly suffused rose. Beautiful for bedding, as it holds its bloom well, with nearly all flowers open at one time. \$5.00 per doz., \$40.00 per 100.

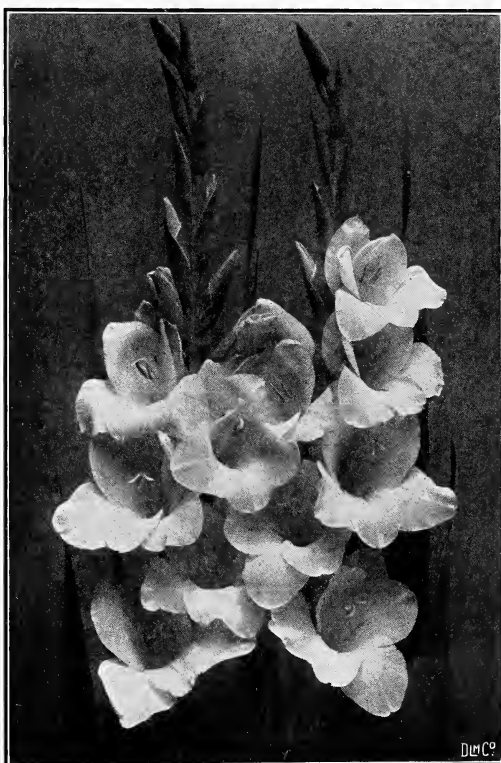
APOLLO. A very large wide open flower on a strong stem. Color a deep begonia rose, almost scarlet, with delicate white markings in throat. One of the finest new varieties. \$2.00 per doz., \$15.00 per 100.

ARIZONA ROSE. Charming shade of light old rose—almost self-color. Beautiful form and texture. \$1.50 per doz., \$12.00 per 100.

ATTRACTION. One of the most pleasing of the throated varieties. Deep rose with white throat. \$1.00 per doz., \$7.50 per 100.

***AUGUSTA.** A beautiful white variety, with lavender anthers. Strong spike, often having two or three branches. 60c. per doz., \$4.00 per 100.

A. W. CLIFFORD. Intense, rich, carmine red, pointed ruffled petals. One of the best reds. \$2.00 per doz., \$15.00 per 100.



AMERICA

GLADIOLI—Continued

BARON JOSEF HULOT. One of the finest blue Gladioli. A deep violet blue with well-opened flowers. \$1.00 per doz., \$7.50 per 100.

BERTREX. Soft, creamy white of very fine texture. \$2.00 per doz., \$15.00 per 100.

BLUE JAY. A light grayish blue with darker blue markings and having a red stripe on tongue of the lower petals—a distinctive variety. \$3.00 per doz., \$25.00 per 100.

BLUEVISTA. A new and very unusual variety, clear, glistening white, with distinct Iris blue markings in throat. The entire absence of any red in markings makes it quite distinct and beautiful. \$2.00 per doz., \$15.00 per 100.

BRENCHLEYENSIS. Brilliant vermilion-scarlet. Though inexpensive, one of the finest for the garden and for massing. 50c. per doz., \$3.00 per 100.

CANARY BIRD. Fine light yellow, strong spike. \$1.50 per doz., \$12.00 per 100.

***CHICAGO WHITE.** A fine white variety with lavender stripes on lower petals. Medium-sized flowers borne on a tall spike and from seven to eight flowers open at one time. \$1.00 per doz., \$7.50 per 100.

CLARICE. Rich rose pink, flaked and suffused with deeper tint. Large, well-opened flowers on strong spike. \$2.00 per doz., \$15.00 per 100.

CONSPICUOUS. Beautiful grey blue, with darker throat markings and a fine penciling of yellow. Very attractive. \$3.00 per doz., \$25.00 per 100.

CRACKER JACK. Large flowers of rich, velvety dark red, throat spotted with yellow and dark maroon. \$1.00 per doz., \$7.50 per 100.

CRIMSON GLOW (Betscher). By far the most beautiful red Gladiolus yet on the market. A perfect scarlet of a deep tone. Very large open flowers of the finest form and exceedingly well placed on the spike. \$5.00 per doz.

***DAWN (Tracy's).** The most beautiful coral pink Gladiolus ever offered. A long, graceful spike of magnificently formed flowers, all open at one time. The keeping qualities of this variety surpass anything grown at Cedar Acres, while its color and texture make it indispensable as a cut flower and for bedding. \$2.00 per doz., \$15.00 per 100.

DAYBREAK. A charming light pink, with blazed white throat. Magnificent orchid-like variety; dwarf habit. \$3.00 per doz., \$25.00 per 100.

***DELICE.** A choice, early variety. Clear dainty pink, self-colored. \$1.00 per doz., \$7.50 per 100.

EASTER BELLS. Fine sulphur yellow of very graceful form and spike. Very faint markings in throat. We consider Easter Bells one of the best light yellows on the market. \$5.00 per doz., \$40.00 per 100.

EMPRESS OF INDIA. A rich, dark red—a rare and beautiful color. One of the best of recent novelties. Certificates of merit from Haarlem and London in 1912. \$1.00 per doz., \$7.50 per 100.

***EUROPA.** A very fine white Gladiolus of perfect form, with many pure white blooms open at once. The formation is close and compact, making a magnificent spike of wide-open flowers. \$2.00 per doz., \$15.00 per 100.

EVELYN KIRTLAND. Companion to Gretchen Zang. Charming rose-pink blooms, very long stalk. \$2.00 per doz., \$15.00 per 100.

GIL BLAS. Early flowering, of dwarf habit. Flowers salmon rose with bright red blotch on primrose ground. Fine for bedding, as well as a cut flower. \$1.00 per doz., \$7.50 per 100.

***GLORY OF HOLLAND.** A new white with slight tinting of pale pink and anthers of delicate lavender. Blossoms large and gracefully set on a tall spike. One of the finest whites. \$1.00 per doz., \$7.50 per 100.

GLORY OF NOORDWIJK. A new yellow, beautiful soft canary shade, with flowers large and of graceful form. Several open at one time, producing a magnificent effect. \$2.00 each, \$20.00 per doz.

GOLDEN KING. A brilliant golden yellow, with intense crimson blotch in throat, giving a magnificent effect. Flowers well opened and well set on a very graceful spike. One of the best of the yellow-throated varieties. \$1.00 per doz., \$7.50 per 100.

GOLDEN QUEEN. A most attractive creamy buff, with tongue of carmine on inferior petals. A general favorite. \$1.00 per doz., \$7.50 per 100.

GOLDEN WEST. One of the best exhibition varieties on account of the markings, the color being a clear orange-scarlet, the lower petals blazed with golden yellow faintly suffused with violet shadings. The individual flowers are of large size and seem to stand out boldly, making it very noticeable in any collection. \$2.00 per doz., \$15.00 per 100.

GRETCHEN ZANG. Tall, graceful spike of soft pleasing shade of geranium pink, with carmine throat markings. \$2.00 per doz., \$15.00 per 100.

***HALLEY.** A most attractive early-blooming sort, with large, well-opened flowers of delicate salmon pink. Flowers well placed on long, graceful spike. Similar in type to the popular Mrs. Francis King. 60c. per doz., \$4.00 per 100.

HARVARD. A perfect "Harvard" crimson in color. It is becoming very popular as a cut flower, and is especially effective for table decorations when used with green foliage, because of its long, graceful spike of large, open flowers; many flowers open at one time. \$1.00 per doz., \$7.50 per 100.

HERADA. A novelty of true merit. An intense phlox color, shaded pure purple. A tall grower with large flowers, many open at one time. \$2.00 per doz., \$15.00 per 100.

HOLLANDIA. A dainty, small-flowered Gladiolus; beautiful apricot shadings. Very fine in combination with Baron Hulot. \$1.00 per doz., \$7.50 per 100.

HORTENSE. The finest purple Gladiolus on the market. A rich fuchsia mauve in color, large, open flowers of great substance. 50c. each, \$5.00 per doz.

***INDEPENDENCE.** A brilliant begonia pink, with richly marked throat. A long spike of wax-like flowers. One of the best for cut flowers and for massing, because of its color and the lasting quality of the bloom. 60c. per doz., \$4.00 per 100.

IRIS SPRAY. Clear iris gray, with distinct purple spot on inferior petals. A Pansy-flowered variety of great charm. Very popular. \$5.00 per doz., \$40.00 per 100.



GLADIOLI—Continued

ISAAC BUCHANAN. A fine yellow. All flowers open at one time, and of dwarf habit, making it fine for bedding. Most attractive in combination with Augusta and Baron Josef Hulot. \$1.00 per doz., \$7.50 per 100.

JACINTHE. One of the most valuable of the orchid-shaded Gladioli. A clear iris lavender with a carmine-purple throat, beautiful in combination with Primulinus hybrids. \$5.00 per doz., \$40.00 per 100.

***JEAN DIEULAFOY.** A lovely cream color, with carmine blotch. Excellent for bouquets. \$2.00 per doz., \$15.00 per 100.

***KLONDIKE.** Clear primrose yellow with crimson blotch. Flowers round, on a strong spike. Early bloomer and of dwarf habit. 75c. per doz., \$5.00 per 100.

KUNDERDI GLORY. Cream pink with crimson stripe in center of each petal. Flowers slightly ruffled. Valuable for hybridizing. \$1.00 per doz., \$7.50 per 100.

LIEBESFEUER. A solid self-color—brilliant scarlet, many blooms open at one time on a tall, erect spike. The finest red of this shade. \$3.00 per doz., \$25.00 per 100.

***LILY LEHMAN.** No white Gladiolus equals this variety. A Lily in both name and form, of a pure glistening white, with just a tinting of pink on tips of petals. Matchless in form and coloring. \$1.25 per doz., \$10.00 per 100.

***LILY WHITE.** Highly advertised as one of the best whites. Medium-sized blooms. \$5.00 per doz., \$40.00 per 100.

L'IMMACULEE. New. A truly wonderful spike of pure white flowers, with wax-like texture and with great keeping qualities. As pure white as Europa, but of different shape and a longer spike. \$1.50 per doz., \$12.00 per 100.



KUNDERDI GLORY

LOVELINESS. This variety produces flowers of distinction in daintiness and beauty, as the name implies. Color—a clear, cream-tinted sulfrano pink—very soft and delicate. The flowers are large and well placed on the spike, nearly all being open at one time. \$2.00 per doz., \$15.00 per 100.

MADAME BUTTERFLY. A beautiful yellow flecked with rose and having black markings. Grows to immense height. \$1.00 each, \$10.00 per doz.

MADAM LEOMINIER. Early flowering; cream, tinted lemon; medium-sized flower borne on a slender stalk. The tendency of this variety to curved stems makes it a favorite, for it lends itself nicely to vase arrangement. 60c. per doz., \$4.00 per 100.

MADONNA (New). The finest white Gladiolus yet introduced. Immense blooms of pearly whiteness, absolutely without markings. \$5.00 each.

***MAIZE.** A valuable addition to the list of light-colored Gladioli. A soft, light corn color, tinted rose, with slender tongue of fuchsia-red on lower petals. Its dainty colorings and especially long, graceful spikes make it most desirable. \$3.00 per doz., \$25.00 per 100.

MARY FENNELL. One of the patricians of the garden. Beautiful light lavender flowers on a tall, slender spike, lower petals penciled with primrose yellow. \$2.00 per doz., \$15.00 per 100.

***MAY.** A notable white variety lightly flecked crimson. Fine for forcing. 60c. per doz., \$4.00 per 100.

MEPHISTOPHELES. Large flower of bright red, effectively marked with black and yellow. \$2.00 per doz., \$15.00 per 100.



LILY LEHMAN

GLADIOLI—Continued

MONGOLIAN. A rich, warm cadmium yellow, almost a self-color. Fine open flowers well placed on a sturdy spike. \$7.50 per doz.

MRS. A. C. BEAL. Clear buff yellow—with distinct tongue of scarlet on lower petals. Very long, graceful spike with many blooms open at one time. \$3.00 per doz., \$25.00 per 100.

MRS. BEECHER. Deep rosy crimson, with white throat. Large flowers. 75c. per doz., \$6.00 per 100.

MRS. DR. NORTON. A pure soft white with tips of petals suffused La France pink. Quite the most beautiful variety of this type on the market. Highest awards in its class wherever shown. \$10.00 per doz.

MRS. FRANCIS KING (The Original). A most beautiful "Besnard shade" flame-pink. Immense flowers on a spike growing 4 feet high, with from eighteen to twenty flowers, six to eight open at one time. A magnificent variety. 60c. per doz., \$4.00 per 100.

MRS. FRANK PENDLETON. A spectacular variety, producing large, well-expanded flowers, light pink, heavily blotched with blood red in throat. \$1.00 per doz., \$7.50 per 100.

***MRS. JAMES H. LANCASHIRE.** The coloring in this popular Gladiolus, a deep cream fading to a rose-tinted flesh color, with contrasting stripe of carmine on lower petals. Invaluable for florists' use or for home decoration. Many flowers open at one time; excellent keeping qualities. \$3.00 per doz., \$25.00 per 100.

***MRS. WATT.** Glowing American Beauty shade—self-color—well-opened flower. Nearly all flowers open at one time—spike very erect and not too stiff. Very distinct variety. \$1.25 per doz., \$8.00 per 100.

***MYRTLE.** Clear, delicate rose pink with throat tinted primrose and white—giving a peculiar cool color effect. Extremely lovely. Good form well placed on spike. \$1.50 per doz., \$12.00 per 100.

MYSTERY. A superb dark reddish purple, very graceful spike and a great favorite. Wonderfully effective in large vases. \$5.00 per doz., \$40.00 per 100.

***NIAGARA.** A light Crocus yellow, throat shaded deeper. Large open flowers on a strong spike. For color, texture and keeping qualities this Gladiolus is one of the very best. \$1.00 per doz., \$7.50 per 100.

OPHIR. Primrose yellow, with dark red blotch on lower petals—tall spike and an exceedingly fine variety. \$2.00 per doz., \$15.00 per 100.

ORIOLE. A bright golden yellow with beautiful crimson throat markings, well-opened flowers on a very strong spike. A valuable addition to the early yellow varieties. \$2.00 per doz., \$15.00 per 100.

***PANAMA.** The companion to America, which has become very popular. A perfect hermosa pink in color with large, wide open, wax-like flowers. \$1.00 per doz., \$7.50 per 100.

***PEACE.** A grand white flower, very large, with pale violet feathering on inferior petals; flowers correctly placed on a tall, graceful spike. Plant early as it blooms late. 75c. per doz., \$5.00 per 100.

***PINK BEAUTY.** Pink with small dark blotch. Earliest of all. Valuable only for greenhouse culture. 75c. per doz., \$6.00 per 100.

***PINK PERFECTION.** In color a true La France pink. Its soft coloring and magnificent bloom make it one of the choicest of the newer varieties. Large open flowers on a strong spike. \$2.00 per doz., \$15.00 per 100.

PRIDE OF GOSHEN. A very large bloom of flesh pink with waved petals. A strong grower and strikingly beautiful. \$2.00 per doz., \$15.00 per 100.

PRINCE OF INDIA. A dull old rose, suffused and streaked with purple, with wide open flowers, many open at one time. A unique and attractive variety, well worth trying. 50c. each, \$5.00 per doz.

PRINCE OF WALES. A clear grenadine pink or deep buff, with throat markings of a deeper tone. The tips of petals shaded darker or apricot buff. A novelty of great value, eight or ten blooms open at one time on a long, graceful spike. \$2.00 per doz., \$15.00 per 100.

PRINCEPINE. Carmine red with large white blotch. Tall spike. 75c. per doz., \$5.00 per 100.

PRINCEPS (Known as the Thousand Dollar Gladiolus). Amaryllis-like flowers of a rich dark scarlet, marked with white on the lower petals. Foliage of a beautiful dark green and very attractive. \$1.00 per doz., \$7.50 per 100.

PRINCESS SANDERSONI. A fine white variety, slightly penciled crimson. A beautiful variety for the home garden and for commercial use. Flowers very graceful and wide open. \$2.00 per doz., \$15.00 per 100.

PURPLE GLORY. Dark velvety maroon, with touches of black on edges of petals. Very unusual. \$2.00 each, \$20.00 per doz.

QUEEN OF WHITES. The Sans Pareil of white Gladioli. Very large, glistening, pure white flowers. A magnificent spike of blooms of wonderful texture. \$5.00 per doz., \$40.00 per 100.

RED EMPEROR. Regal is the only word which adequately describes this Gladiolus. A pure, deep scarlet, immense flowers of great substance, well-placed on a tall spike. A magnificent flower. \$5.00 per doz., \$40.00 per 100.

ROSELLA. Large, well-opened flowers, delicate rose mauve, stained purple and white. \$2.00 per doz., \$15.00 per 100.

ROUGE TORCH. Large creamy-white flower with a rouge torch-like tongue on inferior petals, making a very striking contrast. \$2.00 per doz., \$15.00 per 100.

SCARSDALE. Long, graceful spike of wide open flowers. A deep jacinthe, shading to lavender iris with rose tints. \$1.00 per doz., \$7.50 per 100.

SCHWABEN. This is the largest and strongest flowered yellow Gladiolus. A clear citron yellow with aster purple tongue on lower petals. Buds sulphur yellow. \$1.25 per doz., \$10.00 per 100.

SNOW KING. Pure white, with a few carmine lines in the throat on the lower petals and blue anthers; flowers of only moderate size. \$1.00 per doz., \$7.50 per 100.



GLADIOLI—Continued

SPRING SONG. Pale Naples yellow, throat tinted pink, lower petals penciled pink. A very dainty, delicate variety of graceful form. Excellent for garden effect and for cutting. \$1.00 per doz., \$7.50 per 100.

SULPHUR KING. A long spike of clear sulphur-yellow flowers. \$2.50 per doz., \$20.00 per 100.

SUNRISE. This exquisite canary yellow Gladiolus is invaluable as a cut flower and for bedding. Long spikes of dainty flowers, clear color with no marking. As a cut flower, in combination with America and Baron Hulot, it is especially fine. \$2.00 per doz., \$15.00 per 100.

SUNSET. A rich cream color, suffused with rose. Dark carmine, almost brown throat. Very unusual and strikingly beautiful. \$5.00 per doz., \$40.00 per 100.

VICTORY. Color delicate sulphur yellow, lower petals shaded a deeper yellow. 75c. per doz., \$5.00 per 100.

VIOLET PERFECTION. A deep, rich dahlia purple. A self-color, very large, open flowers with no markings. A magnificent novelty and the gem of its color section. \$1.00 each, \$10.00 per doz.

WAMBA. Light strawberry pink with rose throat markings. A most unusual Gladiolus, because of the immense blooms with petals of an orchid, and with lily-like buds. \$5.00 per doz., \$40.00 per 100.

WAR. Deep blood red, shaded crimson-black, wide-open flowers. \$2.00 per doz., \$15.00 per 100.

WHITE EXCELSIOR. A very fine large-flowered white of the "America" type. Clear throat. Many flowers open at one time. \$2.00 per doz., \$15.00 per 100.

WHITE GLORY. A very striking variety, tall and showy. Color a clear, solid white, with dark iris blue tongue on lower petals. In appearance it is very much like an Iris. \$3.50 per doz., \$30.00 per 100.

WHITE KING. A ruffled variety, flowers of sulphur white, with slight markings of purplish rose in center; the robust spikes are very tall. \$1.00 per doz., \$7.50 per 100.

***WILBRINK (New).** This variety has everything to recommend it. Immense blooms of a delightful flesh pink, on a graceful spike. An early and profuse bloomer. A few spikes make a splendid decoration. \$2.00 per doz., \$15.00 per 100.

***WILLY WIGMAN.** Large, wide-open flower. Bloom of a beautiful blush tint, with long, bright Tulip blotch on lower petals. One of the most attractive Gladioli on the market. Spike of very graceful habit and the effect of the crimson on the cream petals is most pleasing. 75c. per doz., \$5.00 per 100.

WISTARIA. Pale lavender, suffused violet with darker throat. One of the few good bluish lavender varieties. \$5.00 per doz., \$40.00 per 100.

YELLOW PRINCE. A very choice addition to the yellow Gladioli. A clear pinard yellow with flowers well placed on a willowy stalk. Fine in combination with all lavenders. \$2.00 per doz., \$15.00 per 100.

PRIMULINUS HYBRIDS

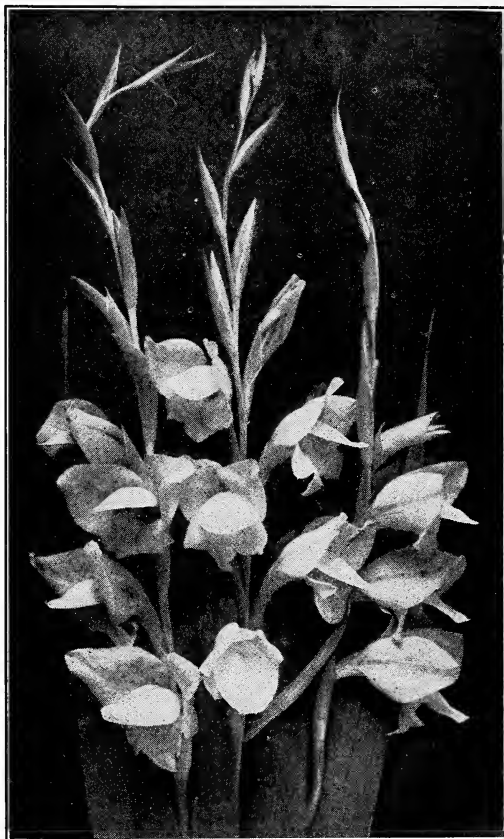
PRIMULINUS. A rare species from Victoria Falls, South Africa. Small flowers of a primrose yellow. Also fine in the border with perennials. \$1.50 per doz., \$10.00 per 100.

***PRIMULINUS HYBRIDS.** Obtained by crossing the species Primulinus with the larger varieties. They have retained all the daintiness and graceful form of their Primulinus parent, even to the "hood" formed by the drooping of the upper petal, and have an added beauty of exquisite coloring, from the softest primrose to a beautiful rose. 75c. per doz., \$5.00 per 100.

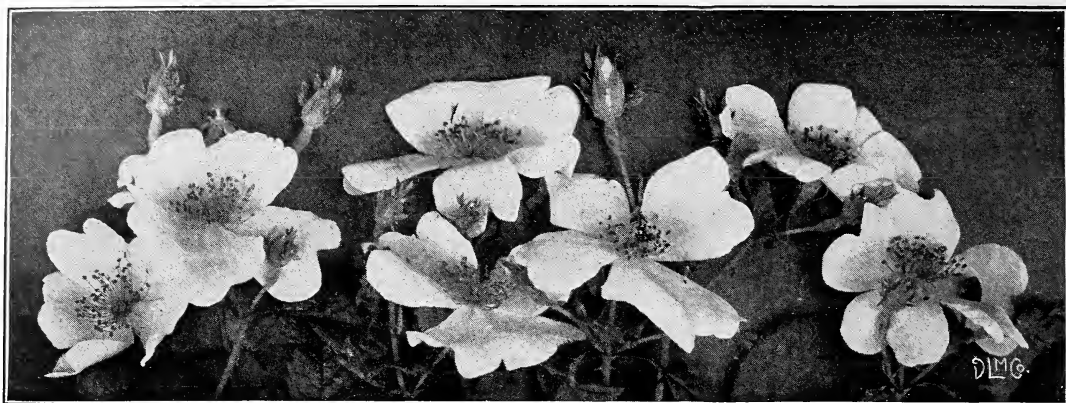
***PRIMULINUS HYBRIDS, SELECTED.** Comprising all of the choicest colorings, for the discriminating. \$1.50 per doz., \$10.00 per 100.

FRENCH PRIMULINUS HYBRIDS. The French primulinus are larger, of very fine texture and the most exquisite tints. Stock limited. \$2.00 per doz., \$15.00 per 100.

PRIMULINUS HYBRIDS SEEDLINGS. Seedlings are bulbs produced from seed, just as they are grown in the fields. All are of blooming age, and among them are some of the choicest colors, as no selections have been made from this stock. 50c. per doz., \$3.00 per 100.



PRIMULINUS HYBRIDS



ROSES FOR OUTDOOR PLANTING

Our customers will remember for the last seven years we have imported and distributed Roses grown specially for us in Belfast, Ireland. Under the recent ruling of the Federal Horticultural Board, these, with all other importations of Roses are restricted. In common with all other Rose distributors, we can now furnish only home-grown stock.

CULTURAL NOTES

The cultivation of Hybrid Tea Roses is as follows:

The Soil.—The soil which best suits the Rose is a deep, unctuous loam, with free drainage, as Roses do not thrive where there is stagnant moisture. If these conditions are not to be had naturally, they must, as far as possible, be provided. In the first place, if drainage is bad, the soil must be thrown out to a depth of 18 inches, and, if it is not convenient to use tiles, about 5 or 6 inches of broken bricks or other rough material should be thrown in the bottom, and a layer of turf laid on top, grassy side down. On the top of the turf should be placed a layer of well-decayed farmyard manure, then a light layer of soil, and another layer of manure, on top of which should be placed the remainder of the soil, to which, if light and sandy, should be added a liberal supply of well-chopped-up turf, raising the whole of the bed to a height of about 12 inches above the original level of the soil. In case of heavy land, a layer of lime rubble should be added, as this will help to sweeten the soil.

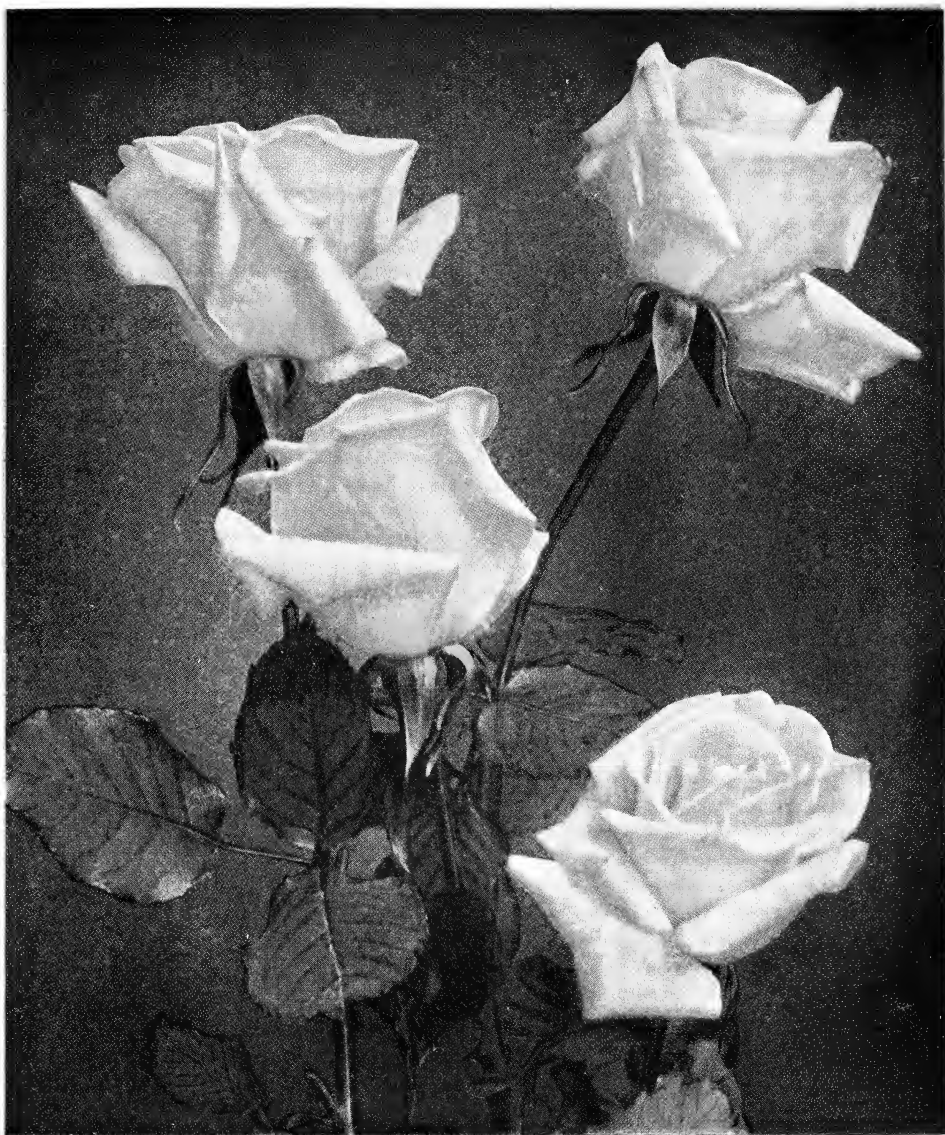
Planting should be deferred until the soil is in proper condition to receive the plants, as it is a great mistake to plant in wet soil. Teas and Hybrid Teas should be planted about 18 inches apart and the Hybrid Perpetuals 2 feet apart, keeping all manure away from direct contact with the roots when planting. Firm the soil well around the plants and give a thorough watering.

Pruning.—All the short, prematurely ripened wood and all small shoots should be cut clean away, leaving just the strongest shoots, from 4 to 6 inches long. Pruning should be done immediately after the plants are set out, if it has not been previously done.

This close pruning does not apply to the Hardy Climbers or Ramblers; these should be shortened back if they have grown beyond their allotted space and thin out the very small shoots.

Protection.—Before the ground freezes solid the soil should be pulled up around the base of the plants, 7 or 8 inches, and the surface of the bed afterward well covered with dried leaves or cornstalks. When so protected, even the most tender varieties of Hybrid Tea Roses are entirely hardy as far north as Winnipeg.

The condensed list on the following pages are the cream of the varieties suitable for American culture today, especially our introduction Columbia, which has asserted itself as being the very finest outdoor pink Rose so far produced.



Novelty Roses for the Garden-1921 Introduction

MADAM BUTTERFLY

Described as a glorified Ophelia. It is altogether more vigorous in growth than its parent, Ophelia, as grown side by side in our establishment. Foliage and habit can be most quickly described as unsurpassed by any existing variety. The individual bud is larger and the color tints of Ophelia are greatly intensified, making it a harmony of bright pink, apricot and gold. It is so much superior to Ophelia in every way that we predict it will take the place of the latter variety.

Dormant plants, April delivery; or 5-inch-pot plants, May and June delivery.

Price: \$2.50 per plant, \$25.00 per doz.



FRANK W. DUNLOP

A seedling from Russell, which is a great improvement on that variety in all respects and particularly in its quick, free growth and freedom from spot. The color is somewhat the shade of Russell, but altogether more brilliant. The form of the flower is ideal and no Rose we know of shows such character as does Dunlop. The flower is very large and there are no malformed buds, even the strongest shoots produce perfect flowers. Flowers average about forty-five

petals. Perhaps the strongest point of Dunlop is its keeping and shipping qualities. In this respect it is surpassed by no other variety in existence, as flowers shipped from Canada to New York kept in splendid condition for nine days afterward. So far as its behavior outdoors is concerned this variety was a glow of color in our garden from the beginning of the season until early frost.

Dormant plants, April delivery; or 5 inch-pot plants, May and June delivery.

Price: \$2.50 per plant, \$25.00 per doz.



ROSES FOR OUTDOOR PLANTING—*Continued*



GOLDEN OPHELIA

Last year we exhibited this variety at one or two of the New York exhibitions and the demand for it was so great that we were unable to supply orders from our limited stock. This year we have a nice stock of same and we know it will prove itself the premier yellow Garden Rose, par excellence, being freer in growth, hardier, and a much better color than Lady Hillingdon.

Price: \$2.50 each per plant, \$25.00 per doz, for two year old, 5-in. pot plant May 15th delivery.

MRS. JOHN COOK

Originated with John Cook, who gave us such sterling varieties as Radiance, My Maryland, Francis Scott Key, etc. It is a strong probability that Mrs. John Cook will be equally valuable for outdoor growing as the above varieties. Color is practically white, occasionally when the weather is cool in the fall, flushed with pink, making a dainty bloom. We predict it will be a popular light colored Garden Rose, when better known.

**Price: \$2.50 per plant, \$25.00 per doz. for two-year-old, 5-in. pot plant
Delivery May 15th, onward.**

PAUL'S SCARLET CLIMBER

Owing to the war in Europe, this variety was never properly introduced in this country; by no means has it been distributed as its exceptional merit warrants. It has been classified as a Climber, but as a matter of fact it is more of a Pillar Rose because the strong basal shoots are only of medium length, with the result that the plant every year is a solid mass of the most vivid scarlet color which has ever appeared in any Rose. The flowers are medium in size, being semi-double and carried three to six flowers on each spray. Paul's Scarlet Climber has already received several gold medals, and when the stock is generally distributed in America it will be one of the most sought for Roses for garden growing. We are favored in having a large stock of this variety to distribute. Strong three-year-old plants, from 5-in. pots; delivery May 15th, onward.

Price: \$2.50 per plant, \$25.00 per doz.

Special Offer

If individual plants of these varieties are purchased the price will be \$2.50 each, \$25.00 per dozen. We will send the entire collection, one plant of each of the five varieties, for \$10.00. The entire five varieties must be purchased to obtain this special price.



ROSES FOR OUTDOOR PLANTING—Continued

COLUMBIA

We are very proud of this Rose, our introduction of 1918, which has proved itself to be the very finest of the outdoor pink Roses, so far introduced. It is strong and sturdy in growth, with handsome foliage which is almost immune to the ravages of black-spot and mildew. The color is a glowing pink, and unlike most pink flowers, when it is fully developed, it is more vivid in

color than in the bud state and the flowers last longer than any other variety of any color, either on the plants or when cut. Everyone who grew this Rose last year on our recommendation, has been delighted with it; this has proved to be the best advertisement the Rose could possibly have.

"A Rose without a thorn," almost, as it is thornless 10 or 12 inches below the flower and very few thorns on the stem.

Reports from our customers and friends show that this variety does equally well, north, east, south and west, and will undoubtedly rank for many years as the peer in its color. This is the finest Rose in the entire collection and we offer it in dormant, 3-year-old plants up to May 1st delivery:

\$1.25 per plant,

\$12.00 per doz.



COLUMBIA



Hybrid Tea Roses

These are unquestionably the true perpetual hybrids; the strong infusion of Tea blood into the old perpetuals has, by judicious hybridization, produced in the last decade an entirely new race of Roses. No words of praise can adequately convey the extreme beauty and unique usefulness of this glorious section which now dominates all other sections of bedding Roses. The superb vigor, the healthy and abundant growth and foliage, the profusion of bloom, the exquisite coloring and beautiful formation of the flowers and buds of this new race, at once place it without a rival in the Rose garden.

Prices, unless otherwise noted, \$1.25 each, \$12.00 per doz.

SUNBURST

is the French variety which we introduced in conjunction with the E. G. Hill Co., in 1912, and it immediately took first place in the list of yellow Roses to be grown in quantity for cut flowers. The bud is long and pointed and when first opening is a deep shade of orange-copper. When fully developed, in common with almost all other yellow Roses, the color is somewhat lighter. This is also characteristic of the flowers from the very heavy wood. Sunburst, today is possibly the most popular yellow Rose grown. The growth is very free, with strong shoots 3 to 4 feet long from the base being by no means unusual. This is one Rose that does best on its own roots and we supply only own root stock.

AMALIE DE GREIFF

Rose color, tinted white; blooms long and shapely. Splendid variety for cutting.

BETTY

Coppery yellow, overspread with golden rose; long, pointed buds.

CHEERFUL

Orange flame in color, very free-flowering variety; of good form.

DEAN HOLE

Light carmine, shaded rose and flushed old gold at base of petals; long pointed flower; very free.

DUCHESS OF WELLINGTON

Intense saffron yellow, stained crimson, long, pointed flowers, of wonderful fragrance and very productive.



SUNBURST

EDGAR M. BURNETT

Enchantress-pink in color; large, full flowers and very fragrant.

FLORENCE PEMBERTON

Large creamy white, flushed peach, very productive in Summer and Fall. Bright glossy foliage.

FRAU KARL DRUSCHKI

Pure snow white, long pointed buds, large, full flowers.



HYBRID TEA ROSES—Continued

GENERAL MacARTHUR

Deep velvety scarlet; free and erect branching.

GEORGE C. WAUD

Glowing orange vermillion; large, full flowers.

GRUSS AN TEPLITZ

Brightest scarlet crimson; splendid Rose for massing.

GORGEOUS

Claimed by Messrs. Dickson to be the most striking Rose in existence, and the finest variety they have ever distributed to the trade. Growth is strong and vigorous, with a free branching habit; handsome dark, olive green foliage; flowers large and exquisitely formed; produced on long, rigid stems; of perfect habit and floescence, and classed as an exhibition Rose of the highest class. Delightfully fragrant. On first opening, the bud is heavily veined with clear yellow on a salmon ground, but when fully developed, the flower is an improved Juliet.

GRANGE COLOMB

Deep, rich creamy yellow with deeper center or salmon-fawn pink. Nice bedding variety.

H. V. MACHIN, H. T.

Color, brilliant crimson. Its flowers are produced in great profusion and the plant is strong and clean and fixed.

HOOSIER BEAUTY

A rich, velvety crimson in color with deeper shadings. It is as fragrant as Richmond, has more petals and better keeping qualities. In production of bloom it ranks with any forcing variety. It naturally throws 2- and 3-foot stems, never has a dormant period, starting new growth very quickly at any time of the year. The glowing color, sweet scent, well-shaped buds, large, full flower, long keeping qualities, clean, healthy habit and freedom in growth and production of bloom have been declared wonderful.

J. K. L. MOCK

Inside of petals deep cherry red with outer petals silvery pink; very large flowers borne on long, stiff stems. Has been a favorite of Rose lovers for many years, as it is so hardy and satisfactory in every way.

JOSEPH H. HILL

Lovely shade of salmon pink, blooms of nice form and very large.

KILLARNEY

Pale flesh pink, flushed deeper pink; very free and perpetual.

KAISERIN AUGUSTA VICTORIA

Creamy white; immense substance; petals smooth and nicely arranged.

KILLARNEY BRILLIANT

A sport from the original Killarney, which is one of the most popular Roses in cultivation today. Killarney Brilliant is a duplicate of the original Killarney in all respects save color, which is far more intense and rich. This is a magnificent Rose and will eventually displace the original Killarney.

LADY PIRRIE

Outside of petals, deep coppery reddish-salmon, inside of petals flushed fawn on copper; large, full, long-pointed flowers, opening freely and flowering in immense profusion.

LA TOSCA

Soft pink, tinted rosy white.

LADY URSULA

Flesh pink, large and full, very free-flowering, stiff stems and healthy foliage.



MADAME EDOUARD HERRIOT (See page 82)

HYBRID TEA ROSES—Continued

LOS ANGELES

Growth, very vigorous, flowers luminous flame-pink toned with coral, with lighter shadings at the base; buds are long and pointed and expanding to a flower of mammoth proportions; very fine form. Vigorous foliage. \$1.50 each, \$15.00 per doz.

LAURENT CARLE

Deep rosy carmine; full flowers.

LIEUTENANT CHAURE

Clear crimson lake; long pointed flower of good habit.

MARY, COUNTESS OF ILLCHESTER

Deep rosy-carmine, very large, free-flowering variety; good strong grower.

MME. EDMOND ROSTAND

Pale flesh, shaded yellow; center salmon and reddish orange yellow.

MME. EDOUARD HERRIOT

Syn. Daily Mail Rose

Color of this Rose is a gorgeous combination of reddish terra cotta and bronze, with flame shadings; almost impossible to describe; foliage bright and glossy and practically mildew-proof. Artists have raved over this variety for the past two seasons in Europe.

MME. JULES BOUCHE

One of the finest garden Roses in the white section; of splendid form and a very strong grower. We cannot too highly recommend Mme. Jules Bouche to any grower looking for a good white variety.

MME. LEON PAIN

Silvery-salmon with deeper orange shadings; very prolific grower.

MRS. AARON WARD

A general favorite; rather short in bud, but wonderfully free flowering. In the bud state color is a beautiful, rich yellow, which changes to shades of pink as the flower develops.

MRS. AMBROSE RICCARDO

Pale golden yellow, double flowers of good form and very fragrant.

MRS. ARTHUR E. COXHEAD

Claret-red shaded vermillion, with a bright rosy sheen in the center of the flower.

MRS. WAKEFIELD C. MILLER

One of the best bedding Roses in the Hybrid Tea section, producing masses of bright pink flowers in profusion.



MME JULES BOUCHE

MRS. A. R. WADDELL

Reddish-salmon in color; strong grower and very healthy in habit.

MRS. FRANKLIN DENNISON

Gardenia-white in color with shading of primrose yellow at base of petals.

MY MARYLAND

Bright pink, that has been grown for many years is one of the most popular garden varieties, since it always gives satisfaction.

OPHELIA

Color clear, bright salmon, often deepening toward golden pink; wonderfully fragrant, with long pointed buds and stiff stems. Large, handsome foliage, showing that it is a wonderfully free bloomer and grower and not prone to mildew. Growth free and continuous.

OPHELIA SUPREME

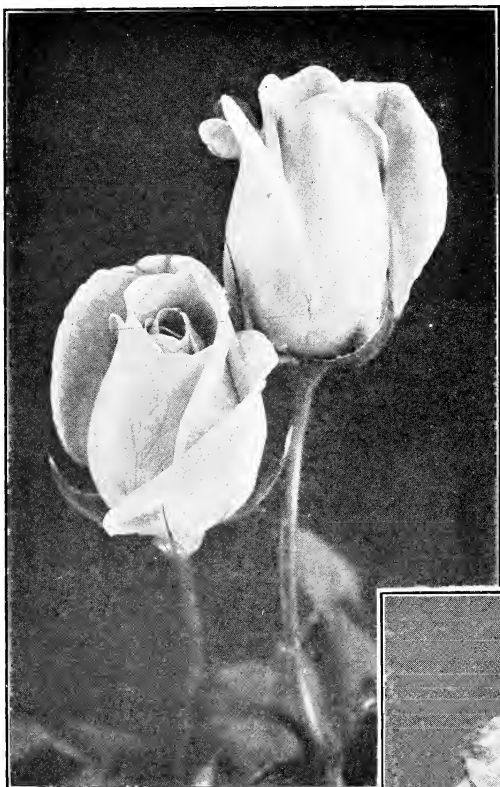
The peer of the numerous sports that have so far appeared from Ophelia. Color light rose with a deeper shading in the center and a flush of yellow at the base of each petal which lights up the flower wonderfully and vivifies its exquisite color. In petalage it averages four or five petals more than the parent, Ophelia, and individually they have a heavier texture. In habit it has the same superb growth, clear, dark, healthy foliage and quick cropping qualities of the parent.

PHARISAER

Rosy white, shaded salmon; ideal bedder.



HYBRID TEA ROSES—Continued



MY MARYLAND

RED RADIANCE

A duplicate of its parent in every respect save color, which is a brilliant red; very free flowering in habit and vigorous in growth. A wonderful variety in every way and a welcome addition.

SUNBURST

Finest yellow Rose; proved to be the "King" of its color. We can supply grafted stock of this variety, but would recommend that it be grown as own root stock.

TOTOTE GELOS

Pale pink with silvery white shadings, long, pointed buds, sometimes shaded pale yellow.

WHITE KILLARNEY

Similar to Killarney in all respects save color. Most largely grown white in cultivation today.

PREMIER

Rose Premier is a cross between Ophelia and Russell. It has the stiff, thornless stem and quick free growth of Ophelia, with ample foliage, approaching Ulrich Brunner or American Beauty in arrangement and size of leafage. The habit is perfect for a forcing Rose; the breaks come quickly and are of fine length, everyone producing a flower, even the shorter stems giving fine quality of bloom. The flowers are of Russell type, and hold a clear, pure shade of rose-pink throughout the year, lighter in summer, deep rose-pink in cooler weather; a dozen blooms make an imposing bouquet. Its freedom of bloom and quick succession of crops make this a most productive forcing variety. Like Ophelia and Columbia, it is deliciously fragrant.

RADIANCE

A splendid and popular Rose; deep pink in color. Will produce three-foot breaks without pinching; almost mildew-proof, and a wonderfully fine Rose to handle.



PREMIER



Climbing Roses

CLIMBING WICHURAIANA

Among the many types of Roses recently brought into prominence, none are more useful or beautiful than the Wichuraiana and its many delightful hybrids. The original variety of the type, Rosa Wichuraiana, is a single Rose of free growing, distinctly creeping habit, and this latter peculiarity has been more or less preserved in its progeny, which are peculiarly suitable for rockwork or creeping over banks of earth or tree stumps, as they adapt themselves to every unevenness of ground.

\$1.00 per plant, \$10.00 per doz.

CARISSIMA

Delicate flesh-pink, a dainty variety in every way.

DR. W. VAN FLEET

Beautiful flesh-pink, borne on long stems; buds long and pointed, plants very strong, brilliant dark glossy foliage, mildew-proof, splendid for cutting.

DOROTHY PERKINS

Clear, bright pink, trailing growth, profuse bloomer.

EXCELSA

Very distinct variety, particularly vigorous, with healthy dark glossy foliage; color of the flower intense crimson; individual flower very large and double for this type of Rose. Excelsa is grown today in place of the old Crimson Rambler, as it is practically mildew-proof and much deeper in color.

HIAWATHA

Forms splendid long sprays of very large blooms; color of individual flower, brilliant ruby with a clear white eye. One of the best climbers we offer.

LUCILLE

Bright Carnation pink, very full and free flowering.

MANDA'S TRIUMPH

Pure white flowers, well formed double flowers in clusters, very sweetly scented.

SILVER MOON

Pure white in color with yellow stamens in the center, showing up a very attractive variety. Foliage bronzy-green; stems of flowers very long and fragrance very lasting.

Baby Rambler and Dwarf Polyantha Roses

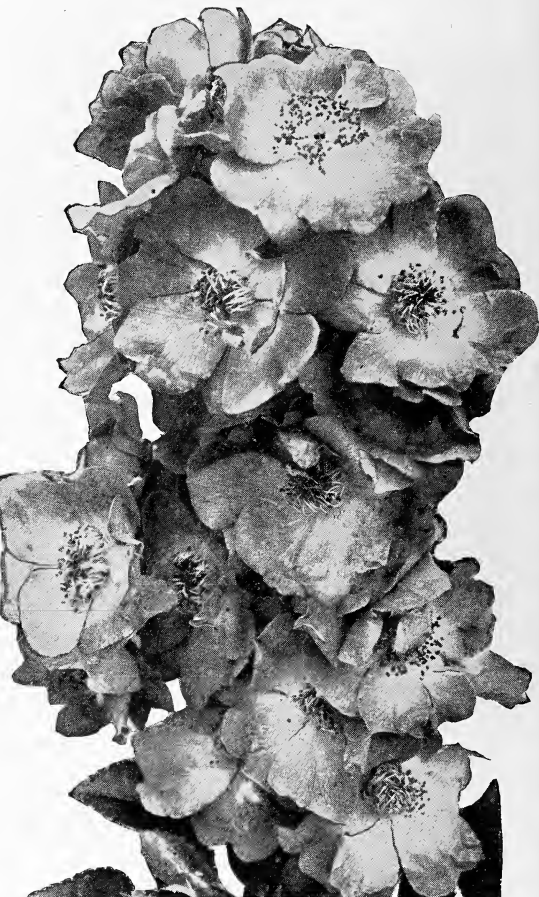
These are delightful for massing in beds, or as edges for borders. They are most profuse and continuous bloomers and their small, neat flowers are produced in large clusters.

Price: \$1.00 per plant, \$10.00 per doz.

MAMAN LEVAVASSEUR. Vivid carmine. Sometimes called "Baby Dorothy."

CECILE BRUNNER. Bright rose, shaded pale pink.

ERNA TESCHENDORFF. Deep crimson which



HIAWATHA

TAUSENDSCHOEN

Delicate shade of soft pink with reverse of deep rosy pink, large trusses of bloom, and very free flowering.

YELLOW RAMBLER

Double golden-yellow flowers when first opening fading out to creamy white when fully expanded.

WHITE DOROTHY

Pure white sport of Dorothy Perkins, identical in every way except color, which is snow-white.

which does not fade; a valuable sport from Levavasseur.

JESSIE. Glowing crimson; the finest red to grow.

MRS. CUTBUSH. Clear, deep pink, fine growth and habit.



Hardy Perennial Plants

The following list are all hardy plants and can be depended on to flower entirely satisfactorily with any average grower. The demand today for the so-called "old-fashioned flowers," is something tremendous and it is certain that given a reasonable amount of care they amply repay the grower for all the labor bestowed on them. From the following list, a constant succession of flowers can be had from the very earliest Spring days until Thanksgiving snow and ice have finally blotted out the Hardy Pompons, which are the last of the hardy plants to flower. The plants noted in this list are in most cases large, field-grown clumps, and in every case first-class flowering plants, which we stand back of and guarantee to give our customers satisfaction.

IMPORTANT.—In the absence of other instructions, these plants are always forwarded via Express, but where Parcel Post shipments are requested, 10 per cent of the order must be added in order to prepay the Parcel Post charges.

Prices: 30c. per plant, \$3.00 per doz., \$20.00 per 100.

Achillea - Yarrow

PTARMICA FL. PL., "THE PEARL." Pure white, double flowers; one of the very finest things ever sent out; produces profusely the entire Summer. Splendid for cut flowers.

Anchusa - Alkanet

Dropmore Variety

Rich gentian blue; one of the earliest of the blue flowers. Plants form beautiful specimens, 3 to 4 feet high. One of the most exquisite blue flowers for the garden.



HARDY PERENNIAL PLANTS—Continued

Aegopodium

PODAGRARIA VARIEGATA. A quick growing plant with green and yellow foliage, which does well in all sections; splendid border plant.

Agrostemma - Rose Campion

WALKERII. Brilliant rose-crimson; excellent for cutting.

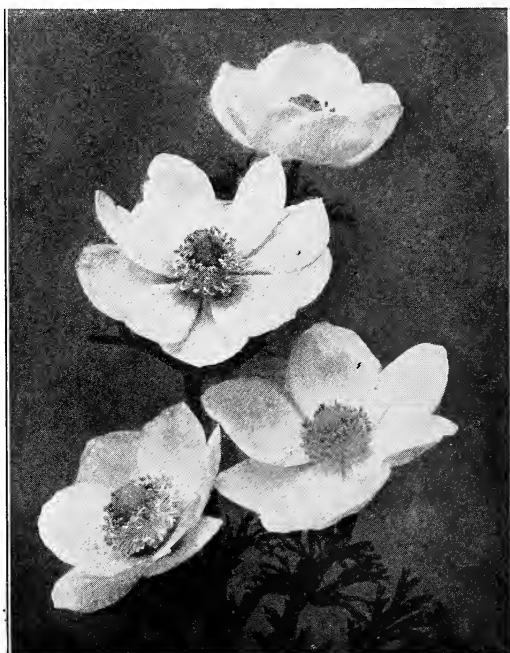
CORONARIA ALBA. Pure white, with hairy silver leaves.

Alyssum - Rock Madwort

SAXATILE COMPACTUM. Splendid plant for the rockery or border, growing a foot high; golden yellow flowers with dense, compact heads.

Anemone Japonica*Japanese Anemone*

One of the most beautiful hardy plants in existence; splendid for cutting.



ANEMONE ALBA

Queen Charlotte

Very large, double flowers of La France pink.

Aquilegia - Columbine

The native flowers of North America are wonderfully useful; cast-iron in their hardiness and when cut on their dainty long stems when flowers are in bloom, are most attractive.

CALIFORNICA HYBRIDS. Very beautiful hybrids: sepals and petals tinged with orange with long spurs of orange red. 2 to 2½ feet.

GRANDIFLORA. Superb type of long-spurred hybrids mostly pure white or light in color. 3 feet.

CHRYSANTHA. Golden yellow variety; sepals primrose yellow, petals deeper yellow, shaded with claret at the tip.

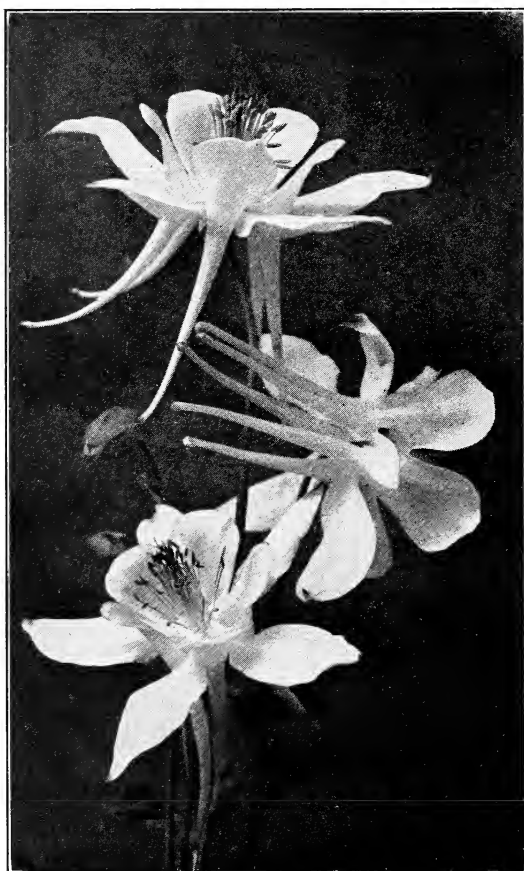
CÆRULEA (The Rocky Mountain Columbine). Blue and white, sometimes shading to lilac. 12 to 15 inches.

Arabis - Rock Cress

ALPINA. Pure white flowers produced in dense masses, splendid for border work and last quite sometime when cut.

Artemisia - Wormwood

LACTIFLORA (Lad's Love). Large panicles of creamy white flowers, flowering in August and September; beautiful subject.



AQUILEGIA CALIFORNICA



HARDY PERENNIAL PLANTS—Continued

Hardy Asters

MICHAELMAS DAISIES

These lovely Fall-flowering subjects which are natives of North America and absolutely hardy in any section of the country, deserve much more extensive cultivation. The following varieties are the cream of the European collections and are well worthy of a place in every garden, since they are so distinct in type and novel in colors.

Prices: 20c. per plant, \$2.50 per doz., \$15.00 per 100.

COLWELL PINK. A lovely clear pink, flowering during September. It is one of the best additions to the perennial Asters. Its medium-sized flowers are produced very freely; pyramidal habit and very distinct. Height 3 feet 6 inches.

CLIMAX. Clear light blue, flowers measure 2 inches across; one of the very best.

DIFFUSUS PENDULUS. Blush rose, graceful, drooping habit.

DORIS. This pure white variety, with splendid habit and sprays is one of the best of the large-flowering whites, coming into flower the first week in September. Height 3 feet.

EILEEN. Old rose color; medium-sized flowers, produced in great profusion on very graceful sprays; flowering end of August. Height 3 feet.

ENCHANTRESS. Blush, with yellow center, satisfactory in all locations.

FLOSSIE. Pure white, in full flower by September 1st.

FRANCIS SANDS. Lovely Cornflower blue, very novel color in Asters. Nicely shaped flowers of medium size; very striking; pyramidal habit; flowering in September. Height 4 feet.

INNOCENCE. Pure white, fully open September 1st, very early and good.

MRS. H. MORRIS. Rich pink; very free, with flowers produced in profusion.

MISS DAVIES EVANS. Beautiful heliotrope blue, flowering September 1st.



SATURN

MRS. WALKERDINE. Pale blue; 3½ feet. Very valuable for cutting.

MRS. D. MITCHELL. Pure pink, resembling St. Egwin, but much taller and far superior.

NANCY BALLARD. Rich, reddish purple; very double flowers; erect growth, most profuse in bloom.

PEGGY BALLARD. One of the finest Asters recently introduced. Its rosy lilac flowers are quite double for many days, then pass to semi-double with golden anthers. The flowers are borne on fine, stiff stems, 3 feet high. The variety received an Award of Merit at the R. H. S., London, for being the finest Aster ever shown.

ROBERTSON V. C. Color, pale Hortense-violet, flowers semi-double and well divided on the spray. This is one of the best and strongest varieties, holding itself erect without any artificial support.

RYECROFT PURPLE. Very strong grower; flowers 2 inches across, freely produced.

SATURN. Color, clear light blue. Most easily described as an improved Climax, but a much stronger grower and just as tall in growth, but a shade deeper in color. Every grower who has handled Asters, will appreciate what a fine variety it really is, when we refer to it as an improved Climax.

ST. EGWIN. Lovely shade of pure light pink, very popular and showy.

WM. BOWMAN. Rosy purple that is satisfactory under all conditions and one of the very best known of this type.



ROBERTSON V. C.

HARDY PERENNIAL PLANTS—Continued

Boltonia - False Camomile

ASTEROIDES. Flower heads pure white; flowering at the same time as the popular Michaelmas Daisies; 5 to 6 feet tall.

LATISQUAMA. Beautiful pink flowers; 5 feet.

Bellis - English Daisy

PERENNIS. Double pink, very largely used as a Spring bedding plant.

Bocconia - Feathery Poppy

CORDATA. Flowers insignificant in size, but very numerous, borne in large terminal panicles, but distinct in appearance. 5 to 6 feet. Very hardy habit.

Buddleia Variabilis Veitchiana

Beautiful violet mauve; a splendid Summer-flowering shrub absolutely hardy under any condition; flowers are borne on long, cylindrical spikes, 12 to 15 inches in length; flowers the first season it is planted; a beautiful plant.

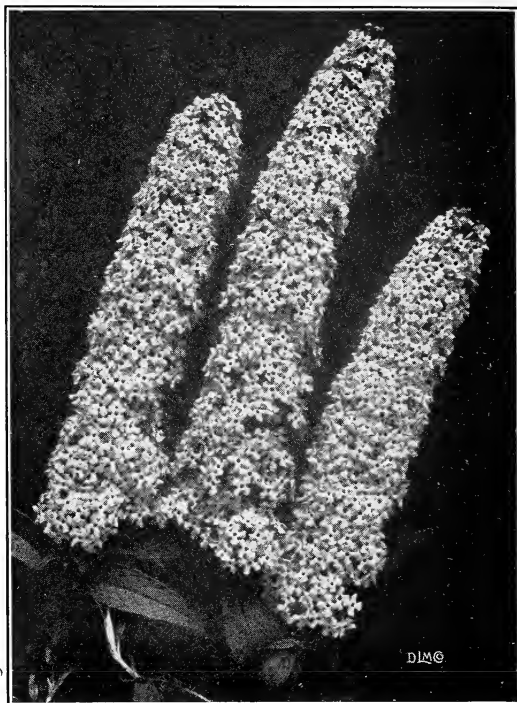
Campanula - Bell Flower

The Campanulas mentioned below can be grown in any average garden and when potted and allowed to flower indoors are among the finest subjects for Spring decorations.

CALYCANTHEMA (Cup and Saucer variety). White, rose and blue, splendid when grown in a small group or in masses.

MEDIUM. Assorted colors; white, pink and mauve. Single varieties in same colors.

CARPATICA. A pretty species which only grows 5 to 8 inches.



BUDDLEIA VARIABILIS VEITCHIANA

Campanula Pyramidalis

Largest of all the Campanulas, plant makes a perfect pyramid, 5 to 6 feet tall; lovely light blue flowers, early in August.

Cephalaria - Roundheads

ALPINE. Tall growing plants; 5 to 6 feet; delicate, sulphur-yellow flowers.



CHRYSANTHEMUM MAXIMUM LEVIATHAN—(See page 89)

Cerastium**TOMENTOSUM.**

Silvery, low-growing foliage plant which is used very largely for planting dry, sunny spots.

Cheiranthus**Siberian Wallflower**

Blood-red, magnificent in color, running from scarlet to mahogany.

CLOTH OF GOLD.

Brilliant canary-yellow, single flowers, wonderfully large and very sweet-scented.



HARDY PERENNIAL PLANTS—Continued

Chrysanthemum Maximum

LEVIATHAN. This is by far the finest of the Shasta Daisy type so far evolved. Under favorable conditions flowers can be cut with rigid stems from 2 to 3 feet in length. The flowers are a wonderful improvement over the Shasta Daisy in every way, so under equal conditions the flower will be at least twice as large. This is the most unique and valuable introduction in the hardy plant line in years. 50c. per clump, \$5.00 per doz., \$35.00 per 100.

Convallaria - Lily of the Valley

LA COLOSSE. Wonderfully improved type of the well-known Lily of the Valley, producing flowers with fifteen developed bells on the individual spray with a stem a foot or more in length.

Coreopsis - Tickseed

LANCEOLATA GRANDIFLORA. Rich golden yellow. One of the finest flowers for cutting ever introduced to cultivation.

Delphinium Chinense

This species is a native of China and of all the many types of Delphiniums we consider it the best either for cut flower or bedding purposes. Grows from 1 to 2½ feet high, depending on the richness of the soil. Blooms continuously from early Spring until late Fall. Color, a wonderful shade of blue.

Prices: 50c. per clump, \$5.00 per doz., \$35.00 per 100.

Belladonna

Lovely shade of light blue and is the variety most largely grown for cut flower purposes for the wholesale market.

Prices: 50c. per clump, \$5.00 per doz., \$35.00 per 100.



DELPHINIUM CHINENSE



HARDY PERENNIAL PLANTS—Continued

DELPHINIUMS—Continued

Delphiniums, or Perennial Larkspurs

Hardy Herbaceous

The present day Hybrid Delphiniums give a wonderful range of color, running from pure white to royal purple, through the most marvelous shades of azure, gentian blue and sapphire. Many of the newer varieties have a large, distinct center, shaped like a bee, which is always of a different shade of color than the surrounding petals and furnishes a gorgeous contrast. Many of the light blue have a deep black center or bee. In some of the others the bee is a brilliant Rose color, against a dark blue ground.

For the benefit of those who insist on having certain special colors and types for exhibiting at the Summer shows, we did import the named varieties from Europe, but we have developed a strain of our own here in America, which, owing to their increased vigor and constitution, are far superior and more satisfactory to the average buyer than the very best named sorts.

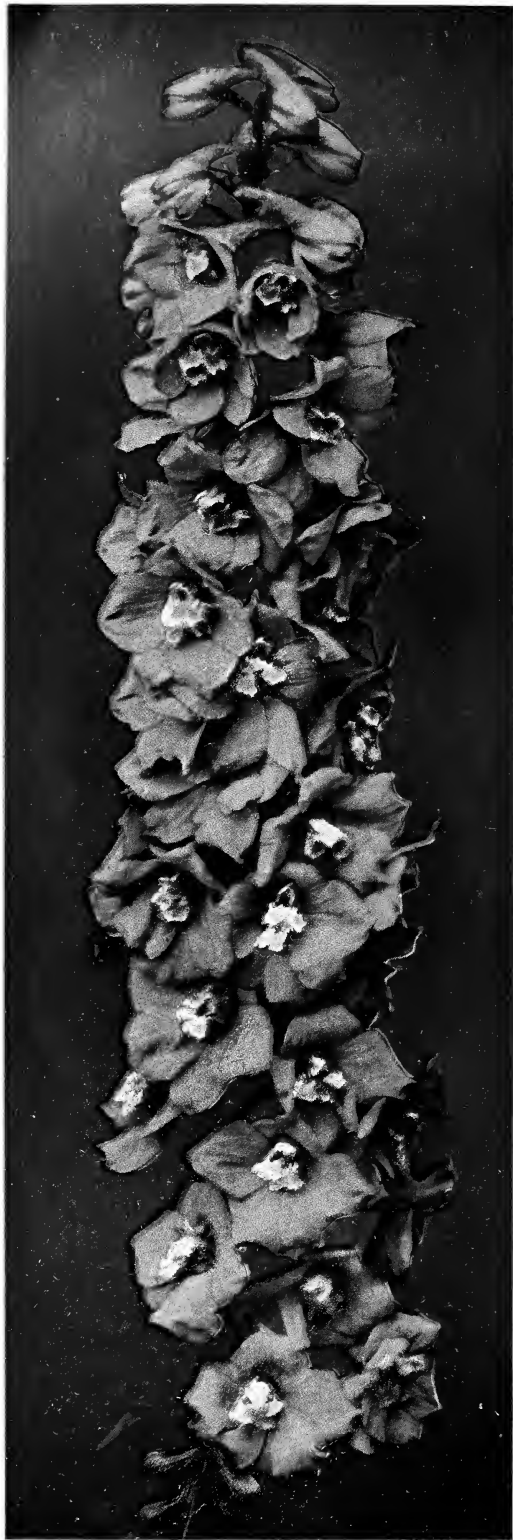
We have made a specialty of Delphiniums now for some years, as we realize their utility and feel there is a place in every garden in the country for these sterling plants.

Delphinium Seedlings

Totty's Special Hybrids

As the result of years devoted to their culture, we can offer for Spring planting seedling clumps of the very finest named types and challenge comparison with any other house in the country with our seedling Delphiniums. Were they grown in Europe, many of them would be named and sold at a high price. Dozens of letters were received by us the past year complimenting us on our superior seedling Delphiniums and many of them stated that though the writers had been growing Delphiniums for years, they had never received plants that gave so much satisfaction and pleasure as our seedlings.

**Prices: 50c. per plant, \$5.00 per doz.,
\$35.00 per 100, for year-old clumps**





HARDY PERENNIAL PLANTS—*Continued*

DELPHINIUMS—*Continued*

Delphinium Seedlings

We offer for delivery April 1st, a collection of seedlings raised from the finest varieties in the world. The individual types are kept separate, and while Delphiniums cannot be depended on to come true from seed, a large proportion will be as good as the parent and many will show a decided improvement. Seedlings are invariably stronger in growth than the original named varieties; the constitution of the latter being very often impaired by excessive propagation.

Prices: 30c. each, \$3.00 per doz.,
\$20.00 per 100 3-in. pot plants

Digitalis - Foxglove

GLOXINIÆFLORA (Gloxinia Flowered). Assorted strain of spotted varieties.

MONSTROSA. Very large flowers, in rose-purple and white.

LANATA. Grayish-white, producing immense spikes 3 feet high.



DIGITALIS



HYBRID DELPHINIUM

Dielytra - Bleeding Heart

SPECTABILIS. An old-fashioned favorite; long racemes of heart-shaped flowers, beautiful and effective; often used for forcing.

Echinops - Globe Thistle

SPHEROCEPHALUS RITRA. Round head of bluish white; attractive flowers.

Eryngium - Sea Holly

This plant produces flowers in August and September, which may be cut and dried for Winter bouquets.

PLANUM. Handsome, blue variety.

Gypsophila - Baby's Breath

PANICULATA FL. PL. Double form of Paniculata. Pure white; 3 feet high. Most useful flowers grown for Summer cutting; very scarce. 50c. per plant, \$5.00 per doz.

PANICULATA. Pure white flowers, splendid for use in decorating and making up bouquets.

HARDY PERENNIAL PLANTS—*Continued***Helenium - Helen Flower**

AUTUMNALE SUPERBUM. Broad, spreading heads, deep, golden yellow flowers. One of the most striking flowers in cultivation.

AUTUMNALE RUBRUM. Similar to Superbum but has bright terra cotta red flowers; makes a wonderful display during the month of September.

Helianthus - Perennial Sunflower

MISS MELLISH. Very large, bright yellow flowers.

Heliopsis - Orange Sunflower

PITCHERIANA. Daisy-shaped flowers of deep orange color; fine for cutting; 3 feet.

Helianthemums - Rock Rose

CROCEUM. Very pretty low-growing evergreen plants, orange red in color.

Hemerocallis - Yellow Day Lily

AURANTIACA. Orange color, shaded bright yellow.

FLAVA. Best known variety; very fragrant; deep yellow.

Hibiscus - Marshmallow

MOSCHEUTOS. Large bright pink flowers on bushes 4 feet high.

MOSCHEUTOS ALBA. White form of above.



HELENIUM

Heuchera - Alum Root, or Coral Bells

Most desirable dwarf, compact, bushy plants of robust constitution and easy culture, growing 1½ to 2 feet high, and bearing during July and August loose, graceful spikes of flowers in the greatest profusion; excellent subjects either for the border or rockery, and of great value for cutting.

GRACILLIMA. A very free-flowering rosy-pink.

LADY GREENALL. The most brilliant rich crimson-scarlet variety yet introduced. 50c. each, \$5.00 per doz.

SANGUINEA. Bright coral-red.

SANGUINEA ALBA. Creamy-white.

VIRGINAL. Creamy-white.

Hollyhock

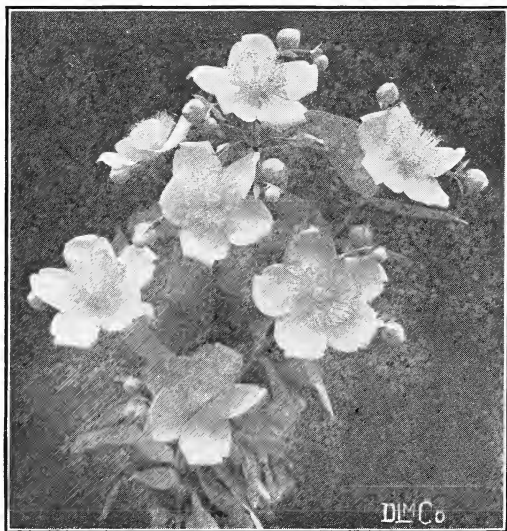
No old-fashioned garden is complete without Hollyhocks. Their stately spikes produce bold effects that cannot be obtained with any other flower. We offer the best assortment of double and single kinds.

DOUBLE SCARLET, DOUBLE MAROON, DOUBLE PINK.

SINGLE SCARLET, SINGLE MAROON, SINGLE PINK.

Hypericum - St. John's Wort

MOSERIANUM. Rich golden yellow flowers with yellow stamens and crimson anthers; 2 feet high.



HYPERICUM



Japan Iris—Double Kaempferi Type

These Japanese Iris send up spikes three feet high with about a dozen spikes to a plant, each bearing three to four enormous blossoms, eight to ten inches across, of the most delicate and beautiful colors, markings and combinations. Once planted in your garden they are a joy for a lifetime without further care and bloom profusely in June and July.

Price: 25c. per plant, \$2.50 per doz., \$20.00 per hundred.

APOLLO

Pure white, with a pink center; very large flower; single in type.

DISTINCTION

Light lavender pink with bright yellow blotches at base of petals. As its name implies a most distinctive variety.

FRATE

Silvery white, veined and shaded lilac, with deeper lilac center.

GOLD BOUND

Large double white, enriched by a creamy glow, from the gold banded center.

H. VON SIEBOLDT

Reddish, veined white, with bright yellow center.

MT. HOOD

Light blue, shaded darker blue, bright orange center.

ONDINE

White, shaded light blue toward center; very large; 9 or 10 inches across the flower.

P. C. DE ROHAN

Light purple, shaded violet; with a deeper purple center.

PYRAMID

Violet purple, veined white, in center of each petal.



JAPANESE IRIS

RED RIDING HOOD

Fine amaranth, veined and suffused white in color.

ROBERT CRAIG

French gray, veined violet; large double variety.

TEMPLETON

Light violet shade, mottled reddish pink and white; often comes triple in form.

Tall Large-Flowering Bearded Flag Irises

Fleurs-De-Lis

"The flower of chivalry, with a sword for its leaf and a Lily for its heart."—(Ruskin).

Of the four really great perennials, Irises, Peonies, Delphiniums and Phloxes, the Iris takes first rank in diversity of interest with its one hundred and fifty odd species and varieties innumerable. It is hardy as a Dandelion, and happy in any good soil not stranger to the sun and good drainage. It increases rapidly and has great decorative value with its clean-cut foliage and huge spikes of bloom.

Between Tulip time and Rose time no other flower brings such masses of color to the garden picture.

Long, narrow beds in the grass are lovely. With the bearded sorts wonderful gardens may be made even on a hill. Iris gardens are growing more and more a feature of well planted grounds.

All varieties listed by us have been tested for garden worth. Each has its special merit, which we have tried to indicate in the descriptions, but the opaline beauty of the Iris flower cannot be imprisoned in print.

Buy Irises; plant Irises; until you have a good collection and when the lure of May and June is upon your garden you will agree that you have never had so much "care free" beauty.

Difficult Slopes and Banks

If you have such places to cover and protect, write us for suggestions. The vineyard-ists of Southern Europe discovered years ago that there is no "wash" in a soil full of Iris roots.

Culture and Planting

Do not use manure. Lime the thoroughly prepared bed well and given an annual top-dressing of lime in the Fall, with a top-dressing of bonemeal in early Spring. Do not plant in deep shade. Open woodland paths, if well drained, make admirable locations for broad masses of Iris, a notable example being the Iris Path on Admiral Ward's beautiful place.

Plant 3 feet apart and wait for clumps to form; or 1 foot apart for more immediate effect. Barely cover the rhizomes. Planting may be done at any time the ground is open, but the ideal time is through the months of July, August and September. The new growth is then active and the root quickly establishes itself for blooming next season. Late plantings should be mulched with leaves or straw, not manure.

Prices. Vigorous single roots are furnished at the prices quoted. The quality of our roots cannot be surpassed. They are grown and dug under the personal supervision of a specialist in charge of this department and one who has spent years in the cultivation and collection of this flower from all parts of the world.

In the description, S, is used to designate the standards or upright petals; F, the falls or drooping petals.

Some New Irises

AURORA (Foster)

S. and F. pale lilac pink. Large flower on strong, erect stems. Good for isolated clumps. 4 feet. \$1.00 each.

BLUE JAY (Farr)

A tall, late blooming variety in good "blues," bright and dark. 3 feet. 50c. each.

TALL LARGE-FLOWERING BEARDED FLAG IRISES—*Continued***CATERINA** (*Foster*)

A. M., R. H. S. A tall plant with large, pale, lavender-blue flowers, the falls noticeably veined. This variety repays extra care in not allowing it to be crowded and giving it a warm, dry situation. \$1.00 each.

DELILA (*Denis*)

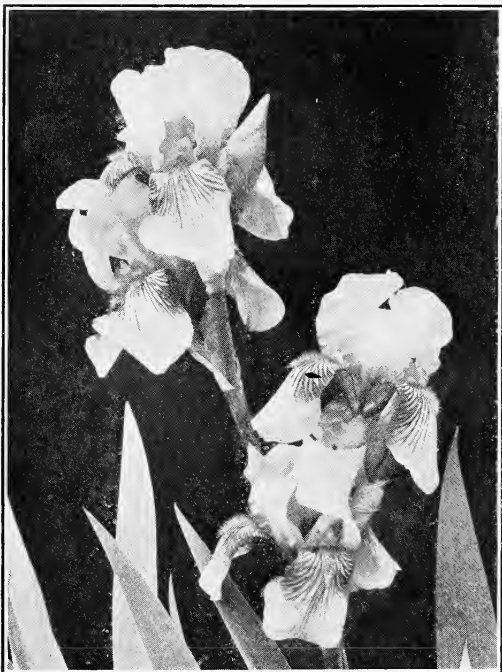
A new French introduction of great beauty. S. flesh white, F. rich red with very little suggestion of purple. Free in bloom and distinct in color. A seedling from I. Ricardii. \$3.00 each. Fall delivery only.

EDOUARD MICHEL (*Verdier*)

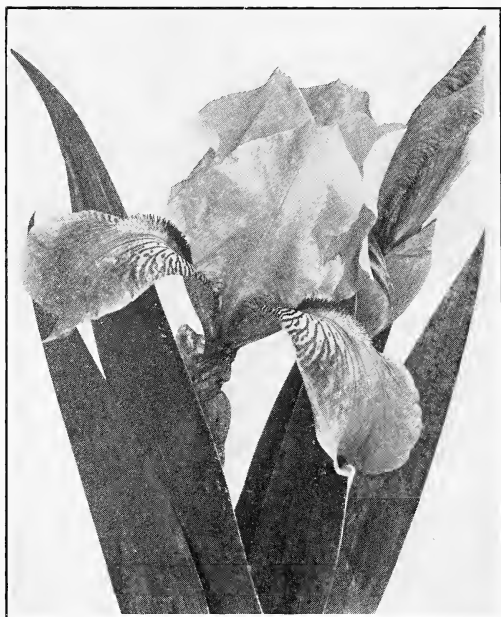
A. M., R. H. S. Tall, erect spike of Pallida growth. A large flower. S. and F. much ruffled. Color a rich vinous red. 3 feet. \$2.00 each.

ELDORADO

To those who like "art" colors in flowers this will especially appeal. A large flower on slightly flexuose stems 3 feet tall. S. yellow, brown and heliotrope; F. violet touched with bronzy yellow, while the style arms are clear gold. \$1.00 each. Fall delivery.



"ELDORADO"



IRIS "BLUE JAY" (See page 94)

ISOLINE (*Vilmorin*)

A. M., R. H. S. S. soft yellow pink; F. deep old rose. A very large flower on 3-foot stems. It is a queen of the garden at Iris time. \$1.00 each.

JEANNE D'ARC (*Vilmorin*)

A. M., R. H. S. A wide open flower with ruffled edges lightly traced in pale lilac, with the entire style branches a fresh, clear lilac. 32 inches. \$1.00 each.

LOHENGRIN

A. M., R. H. S. A large flower, both S. and F. in shades of Cattleya mauve; petals very responsive to the strength or softness of the light. A plant of vigorous habit and good foliage. 32 inches. 50c. each.

MONSIGNOR (*Vilmorin*)

A late flowering variety in rich coloring of purple and violet. The freedom of bloom makes it desirable for a strong note of color among the later blooming Irises. 2 feet. \$1.00 each.

MRS. ALAN GRAY (*Foster*)

S. and F. soft pinkish lilac. Blooms with the Intermediates and invariably for us sends up spikes of bloom in the Autumn. No Iris is lovelier in mass. 75c. each.

TALL LARGE-FLOWERING BEARDED FLAG IRISES—Continued

NEPTUNE (*Perry*)

A. M., R. H. S. A Cypriana seedling. S. rich lavender blue; F. deep velvety purple. Very large flower. \$2.00 each. Fall delivery only.

NIBELUNGEN

S. fawn, F. bronzy purple edged with fawn. An erect, vigorous, free-blooming Iris and one of the best of its color. Should be planted near a "blue" like Rembrandt and creamy yellow like Flavescens. 32 inches. 50c. each.

PERFECTION

S. light blue; F. black violet. A very free-blooming sort and most effective as a dark foil for the lighter colors. 30 inches. 35c. each, \$3.50 per doz.

PROSPER LAUGIER (*Vilmorin*)

A. M., R. H. S. S. bronzy red; F. ruby velvet. The feeling of gold in its tones makes it the needed touch in a border of shades of yellow. Excellent also with creamy whites. 31 inches. 75c. each.

QUAKER LADY (*Farr*)

S. smoky lavender shaded with gold; F. amethyst blue with yellow shadings. Stylized petals and beard yellow. To emphasize its charm of coloration, it should be planted with Aurea and Mrs. Neubronner. 75c. each.

QUEEN ALEXANDRA (*Barr*)

A very beautiful mauve with a suffusion of yellow. Erect, strong stems. 30 inches. 35c. each, \$3.50 per doz.

RHEIN NIXE

A. M., R. H. S. Standards clear white; F. rich raspberry purple with white edge. Tall, vigorous branched spikes. 3 feet. 50c. each.

ROSE UNIQUE (*Farr*)

A deep "pink." The rather small flowers are freely produced and massed with gray white Florentina give an unusual touch of color at this season. 18 to 20 inches. 50c. each.

SARAH (*Foster*)

An excellent hybrid. Rather broad, upright foliage, dwarf in habit. Flower large, pearly white, distributing its bloom over a considerable period. Early May. 15 inches. 50c. each.

SHELFORD CHIEFTAIN (*Foster*)

Very large lavender blue and violet purple flowers supported on 4-foot flexuose stems. \$1.00 each.

THELMA PERRY (*Perry*)

A vigorous Pallida variety of refined coloring. S. soft blush; F. rosy mauve. 36 inches. \$2.00 each.

Standard Varieties

Price: 25c. each, \$2.50 per doz., except where otherwise noted.

ALBICANS (Princess of Wales). S. and F. pure white; a rare old variety, large flower, early blooming. 2 feet. 35c. each, \$3.50 per doz.

AMAS, or MACRANTHA. A huge-flowered form from Asia Minor. Blooms slightly later than Florentina and the Intermediates. S. bright blue, F. deep purple violet. This variety is responsible for the great size in some of the later introductions and on this account should be in the collection of those wishing to make seedlings. 2 feet. 35c. each, \$3.50 per doz.

AUREA. S. and F. soft clear yellow. A very beautiful variety. Try planting it back of the wild Columbine (*Canadensis*). 30 inches. 25c. each, \$2.50 per doz.

CAPRICE (Vilmorin). S. and F. claret, shading to white at the center of the rather wide open flower. Very charming planted with Flavescens against a not too heavy tracery of green. 50c. each.

CORDELIA. (True.) S. lilac, F. velvety crimson. Late blooming. 24 to 30 inches. 50c. each.

FLAVESCENS. Soft creamy yellow. No Iris is more valuable in the garden. 30 inches. 20c. each \$2.00 per doz.

FLORENTINA. The gray white variety of the old gardens; large, fragrant and early. It makes a pleasing background for Clara Butt Tulips. 28 inches.



TALL LARGE-FLOWERING BEARDED FLAG IRISES, STANDARD VARIETIES,—*Continued*

GERMANICA TYPE. (Common Early Blue Flag). Violet purple, free-flowering and effective with yellow Tulip, Mrs. Moon.

HER MAJESTY. S. soft rose, F. deeper rose, heavily veined. One of the best "pink" sorts and particularly satisfying used either with the cool white of Mrs. Darwin or the warm white of Innocenza. 28 inches. 35c. each, \$3.50 per doz.

INGEBORG (Intermediate). An immense flower of white on 18- to 22-inch stems. Good planted near Mrs. Alan Gray. 35c. each, \$3.50 per doz.

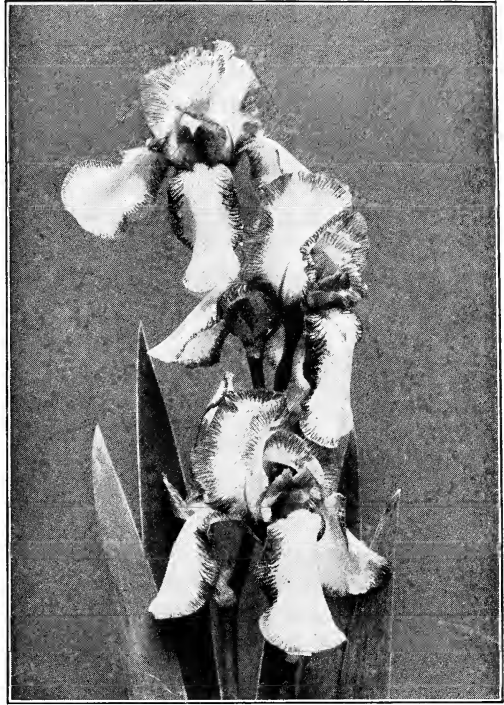
INNOCENZA. S. and F. ivory white, slight reticulation at throat, late blooming and valuable, 26 inches. 35c. each, \$3.50 per doz.

IRIS KING (New). S. old gold, F. rich maroon, bordered yellow; a beautiful and striking flower. 2 feet. 50c. each.

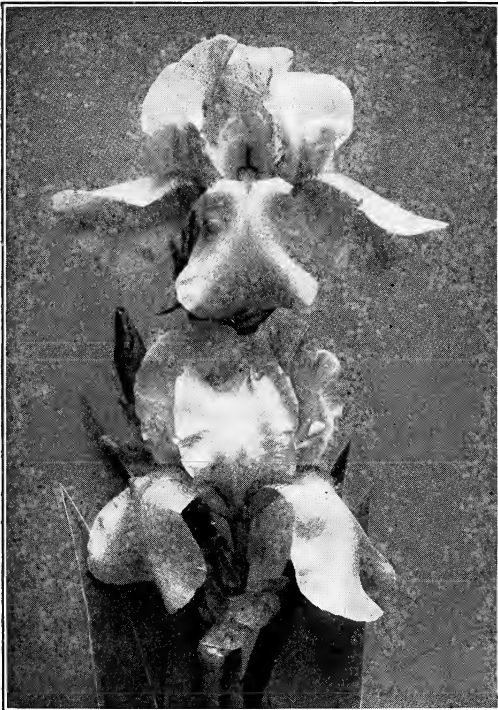
JACQUINIANA. Standards wine, shaded in copper. Falls red purple velvet with blackish tones. There is not so much yellow in this flower as in Prosper Laugier and it is taller in growth. Should be planted with pale yellow or creamy white. 3 feet. 35c. each, \$3.50 per doz.

KOCHII. S. and F. deep black purple. An effective early blooming Iris, not so well known as it deserves. 2 feet. 25c. each, \$2.50 per doz.

LA TENDRE. S. pale lavender, flushed with yellow; F. yellow at base, shading into deep lavender, veined with purple; a delicately beautiful orris-scented flower. 30 inches.



MADAME CHEREAU



PALLIDA, DALMATICA

LEONIDAS (Barr). A very handsome, tall Pallida type. S. clear lavender, F. several shades deeper and hugging the stem, making the form an unusual but attractive one. Very large flower. 3 feet. 35c. each, \$3.50 per doz.

LORELEY. S. clear pale yellow. F. raisin purple with yellow edge. This variety possesses in a superlative degree what the garden colorists call "carrying quality." No other Iris in our collection is more admired. 35c. each, \$3.50 per doz.

LUTESCENS (var. Statellæ). Creamy white globular flowers in late April on 12- to 15-inch stems. Fragrant and lovely for cutting. Established clumps make excellent subjects for forcing. 25c. each, \$2.50 per doz.

MADAME CHEREAU. S. and F. white, frilled clear blue; very lovely. 3 feet.

MADAME PACQUITTE. S. and F. bright, rosy claret; deliciously fragrant. 30 inches. 25c. each.

MRS. H. DARWIN. A cool, pure white with very slight reticulations of violet at base of falls. It blooms freely and is an indispensable sort. 2 feet.

MRS. NEUBRONNER. S. and F. golden yellow deeper than Aurea, also slightly earlier. 20 to 24 inches. 25c. each, \$2.50 per doz.

OTHELLO. S. rich blue, F. deep dark velvety violet. 30 inches. Still unsurpassed among the dark sorts. 25c. each.

PALLIDA DALMATICA. S. and F. soft lavender; very fragrant; exquisite as a cut flower; superb in the hardy border. 3 to 4 feet. 25c. each, \$2.50 per doz.

TALL LARGE FLOWERING BEARDED FLAG IRISES, STANDARD VARIETIES—*Continued*

IRIS CRISTATA (See page 99)

PRES. THIERS. S. lavender, shot with bronze; F. deep purple. Valuable for its late bloom and tall growth.

QUEEN OF MAY. S. and F. soft lilac rose, fragrant. One of the most charming of the "pink" Pallidas. 32 inches. 25c. each, \$2.50 per doz.

REMBRANDT. S. and F. shades of soft blue with almost no suggestion of purple. An excellent "blue" sort. 2 feet. 25c. each.

THORBECK. S. white, F. deep black violet. A very effective Iris. 40 inches. 35c. each, \$3.50 per doz.

TRAUTLIEB. The soft lilac pink of the wide open flowers, shading to white through the center, and the rather slender 18-inch stem make it ideal for crystal bowls as well as garden massing. 35c. each, \$3.50 per doz.

TROJANA SUPERBA. A. M., R. H. S. A giant flowered, fragrant, late blooming variety from the Island of Cyprus. Light blue, lavender standards and deep purple falls. Needs a warm, dry location. 3 feet. 35c. each, \$3.50 per doz.

WALHALLA (Intermediate). S. light blue lavender, F. velvety purple. Blooms in mid-May. 20 inches. 35c. each, \$3.50 per doz.

Iris Sibirica

These are grassy-leaved Irises retaining lovely flowing foliage throughout the season and blooming just at the close of the bearded Iris season. The delicately poised blossoms are attractive and valuable both for cutting and garden decoration. 3 feet.

White. 25c. each, \$2.50 per doz.

Shades of Blue. 20c. each, \$2.00 per doz.

WILSONII

A new species from China. Allied to the Sibiricas with grass-like foliage, but a yellow flower which is closely like a Cypripedium and makes a very lovely table decoration. 50c. each.

Dwarf Irises

ARENARIA. An interesting tiny species from Hungary. Flowers bright yellow with the fragrance of vanilla. Good for a hot, sunny spot in the rock garden where with proper care it will give amazing bursts of bloom. The flower is fugacious and it is an Iris for the enthusiast and careful gardener. 3 to 4 inches. 75c. each.



HARDY PERENNIAL PLANTS—Continued

DWARF IRISES—Continued

THE BRIDE. A very satisfactory white Iris; 12 inches, blooming in late April or early May. Foliage is noticeably good. 35c. each, \$3.50 per doz.

CRISTATA (Evansia). A dainty, creeping species; flowers rich amethyst blue, striped orange; increases rapidly. A little gem for borders, rockwork or low massing. It is happier in locations that are shaded a part of the day. Given these conditions and time to mass, it will delight all who try it. 15c. each, \$1.50 per doz.

LUTEA. Pale yellow. Very vigorous in growth and profuse in flower. Mid-April. 8 to 10 inches. \$2.50 per doz.

PUMILA ATROVIOLOACEA. S. and F. purple. Falls slightly deeper in tone. 4 inches. The earliest to bloom. Especially good in front of white Arabis and Golden Spur Daffodils. 15c. each, \$1.50 per doz.

Inula - Flea Bane

ROYLEANA. Splendid Himalayan species, deep golden yellow; good substance and form, splendidly adapted for cut flowers.

Iberis - Candytuft

LITTLE PRINCE. Dainty and distinct; beautiful species of snow white flowers.

GIBALTARICA. Delicate pink; dwarf in habit and completely covered with small pink flowers.

Lilium - Madonna Lily

CANDIDUM. Pearl white in color; this is the thick-petaled Lily from Northern France. Splendid for use in connection with Delphiniums. 50c. each, \$5.00 per doz.



LYCHNIS CHALCEDONICA



INULA ROYLEANA

Lychnis

CHALCEDONICA. Most desirable variety; orange scarlet; 3 feet high.

Lythrum - Rose Loosestrife

ROSEUM SUPERBUM. Rose color; robust habit; 4 to 5 feet.

Lysimachia - Loosestrife

CLETHROIDES. Long, dense spikes; pure white flowers, fine for cutting.

Myosotis - Forget-Me-Not

PALUSTRIS SEMPERFLORENS. No hardy flower is better known or appreciated than this royal blue variety. Early and free in bloom. Perpetual flowering type. Prefers a damp location.

Monarda - Bergamot

DIDYMA. Brilliant red flowers with darker center; most profuse in July and August.

Nepeta - Ground Ivy

MUSSINI. Bright blue flower, silvery foliage, growing about 9 inches high.

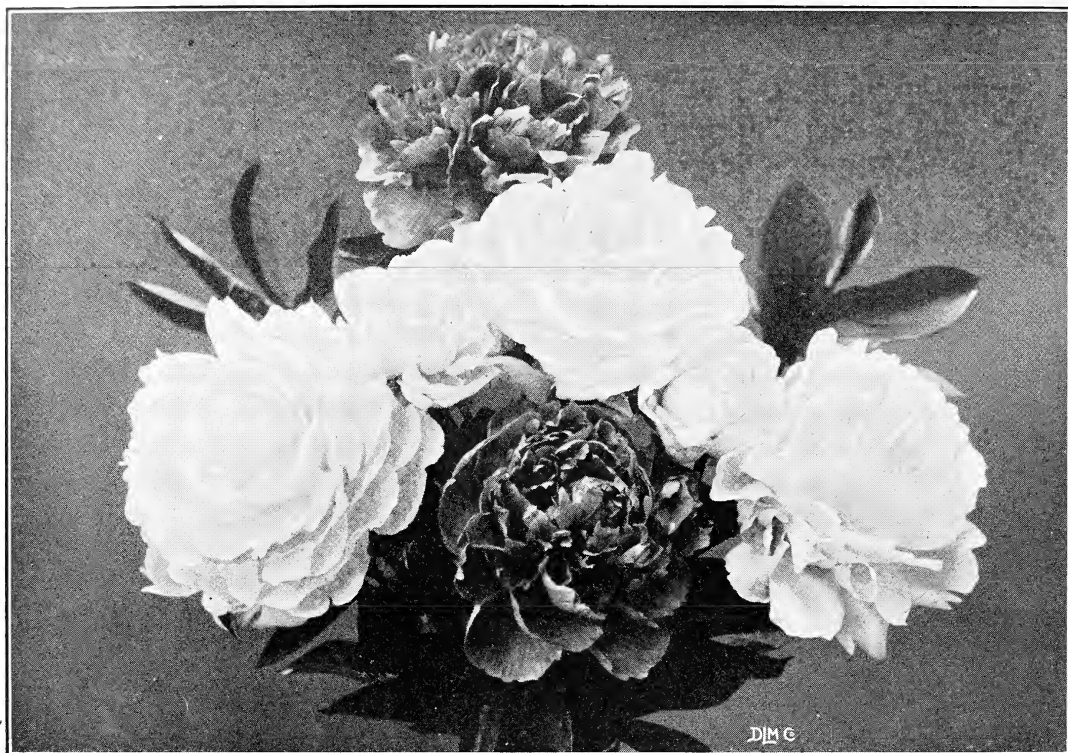
hederacea. Dwarf trailing creeping plant; very fine edging for borders.

Papaver - Poppy

ASSORTED. In various colors and types.



HARDY PERENNIAL PLANTS—Continued



Herbaceous Peonies

The best known of this type of plant is, of course, the *Officinalis*. Cast-iron in their hardiness, blooming equally well, north, south, east and west, in this country, no other flower is so adaptable and so satisfactory. A good rich soil, open, sunny position, and plenty of water during their growth, is all they need. When planting, place the roots so that the crowns are barely covered with soil. So treated, Peonies will go ahead and give entire satisfaction year after year.

Price: 75c. each, \$6.00 per doz., except where priced.

AUGUSTINE D'HOOR. Brilliant, deep red, with lighter reverse of pale pink. A variety that will give the finest results. \$1.00 each, \$10.00 per doz.

COURONNE D'OR. Snow white, with bright red center and yellow stamens. A late Peony that is remarkably attractive.

EUGENE VERDIER. Light rose, shading pearly white, strong grower, enormous early-flowering variety, very showy.

FELIX CROUSSE. Glowing red, with reddish flame center; very large and full. One of the best midseason varieties.

FESTIVA MAXIMA. Pure white, flecked carmine; strong grower; early bloomer. One of the oldest varieties in cultivation today and a very dependable Peony to grow.

LIVINGSTONE. Soft rose in color; imbricated blooms; late flowering and profuse in blooming; splendid in every way. \$1.00 each, \$10.00 per doz.

MARIE LEMOINE. White, with carmine edges on petals; exceptionally large and very profuse flowering habit; growth strong and erect; medium height; very late.

MEISSONIER. Purplish red and crimson; often referred to as "The American Beauty" Peony; very tall and free; midseason bloomer.

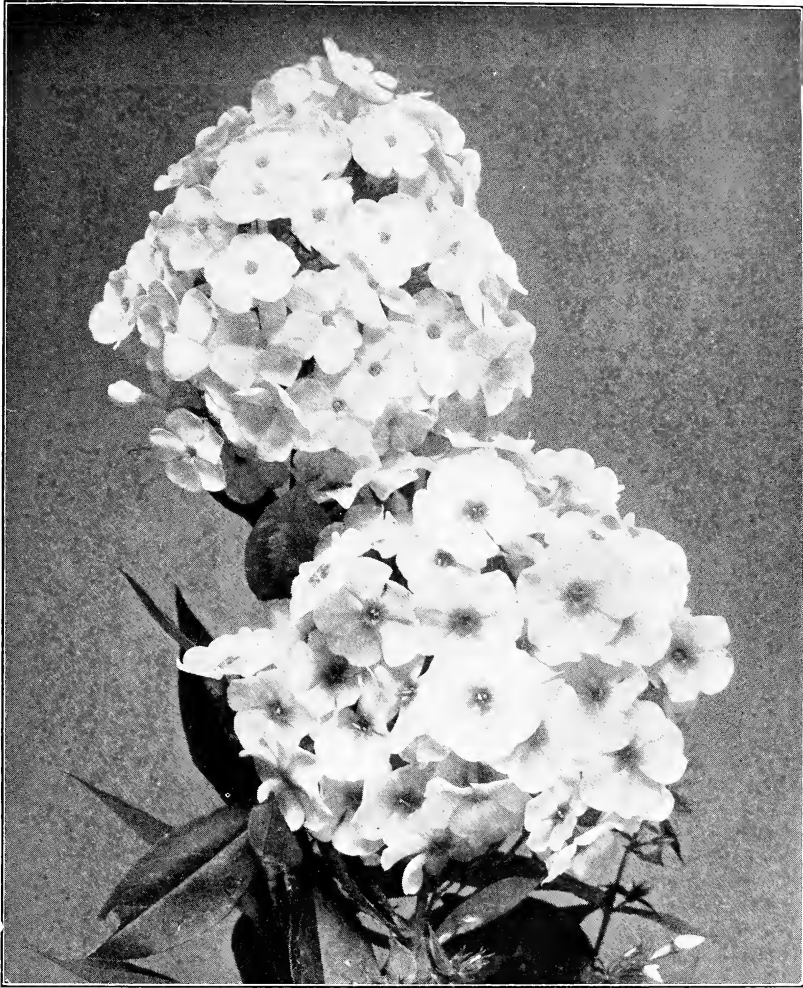
MME. BOULANGER. Glossy, soft pink, shaded lilac; large and compact, midseason type. \$1.00 each, \$10.00 per doz.

MME. CROUSSE. Ivory white, center petals edged crimson; large, full, well-formed flowers of medium height.

MME. LEONIE CALOT. Pale pink; very abundant bloomer; tall and fragrant; early flowering and a splendid kind to grow.

MME. DUCEL. Very bright pink; medium size but free-flowering and lasting.

MODEL OF PERFECTION. Light violet rose with bright rose center; dwarf grower and late; profuse-blooming type. \$1.00 each, \$10.00 per doz.



HARDY PHLOXES

HARDY PERENNIAL PLANTS—*Continued*

Hardy Phlox

We catalogue a few of the very choicest varieties of this superb and satisfactory flower and can quote on other sorts if desired. Phlox can be planted 18 inches to 2 feet apart and will repay any expenditure in the line of extra care and fertilizer. Phlox is sometimes attacked with mildew which is best treated by the use of Sulphide of Potassium in the proportion of one ounce to two gallons of water.

Price: 30c. per plant, \$3.00 per doz., \$20.00 per 100.

BARON VON DEDEM. Brilliant cochineal-red with salmon shadings; very attractive color in the garden.

MRS. JENKINS. The best white Phlox on the market; splendid for massing; comes into flower early in the season.

ELIZABETH CAMPBELL. Light salmon changing to pink, with a dark red eye; one of the handsomest of all pink varieties.

LE MAHDI. Rich violet-blue; deepest violet-colored Phlox in the market and an extra good grower.

FRAU ANTON BUCHNER. Pure white, splendid spikes and individual flowers very large.

GIFION. Light rose-pink with deep rose shading in the center of the flower; quite an attractive flower.

RIVERTON JEWEL. Lovely shade of mauve-rose; illuminated by a brilliant carmine-red eye.

ROSENBERG. Bright reddish-violet, with a blood-red eye; free flowering in all sections of the country.

RYNSTROM. Similar to Pantheon, with flowers and trusses of enormous size; the best rose-pink Phlox.



HARDY PERENNIAL PLANTS—Continued

Physostegia - False Dragon Head

VIRGINICA. Pale pink, tubular flowers on very showy bushes; 3 to 4 feet high, blooms all Summer.

VIRGINICA ALBA. Pure white form of above.

Platycodon - Japanese Bellflower

Very handsome hardy perennial, with beautiful bell-shaped flowers, much like Campanula.

GRANDIFLORUM. Very large deep blue star-shaped flowers. 2 feet.

GRANDIFLORUM ALBA. Beautiful pure white type of the above.

Polygonum - Knotweed

CUSPIDATUM. Noble plant attaining a height of 6 feet, producing long, drooping clusters of white flowers in the axil of each leaf.

Primroses - English Primrose

Seedlings. In assorted colors. Absolutely indispensable in the Spring garden and like Cowslips, make beautiful pot plants for Easter when grown in a cold house.

Pyrethrum - Giant Daisy

ULIGINOSUM. Flowers in the Fall, just ahead of the Michaelmas Daisies, to which family it is closely related. 4 feet high.

HYBRIDUM. Single flowering pink Daisy, growing 2 feet in height; flowering during the month of June; fern-like foliage.



PLATYCODON

Rudbeckia

GOLDEN GLOW. One of the best known hardy flowers, blooming from July until September.

NEWMANNII. The Black-Eyed Susan, very well known and popular.

PURPUREA. Large, showy reddish purple flowers; 4 inches across.



SEDUM SPECTABILIS

Santolina - Lavender Cotton

INCANA. Silvery white foliage, used for rock border and very largely used for carpet bedding.

Sedum - Stonecrop
SPECTABILE.

Most popular of all the Sedum, producing large, flat heads of rose-colored flowers; 2 feet high.

Spirea - Meadow Sweet

PALMATA. Beautiful plant, with crimson purplish flowers; freely produced in June and July.

Stachys - Wound Wort

LANATA. Bright, silvery white, woolly foliage; flowers an inconspicuous light purple in color; largely used for edging or clumps in borders.

HARDY PERENNIAL PLANTS—*Continued***Sweet William - *Dianthus Barbatus***

Possibly one of the best known, free-flowering, hardy perennials; easily one of the most attractive flowers in the garden.

SUTTON'S DARK CRIMSON.

SUTTON'S WHITE.

SUTTON'S PINK.

NEWPORT PINK.

SCARLET.

Thalictrum - *Meadow Rue*

ADIANTIFOLIUM. Beautiful variety, with foliage like Maidenhair Fern and miniature white flowers.

Valeriana - *Valerian*

OFFICINALIS. Very fragrant, rose tinted flowers.

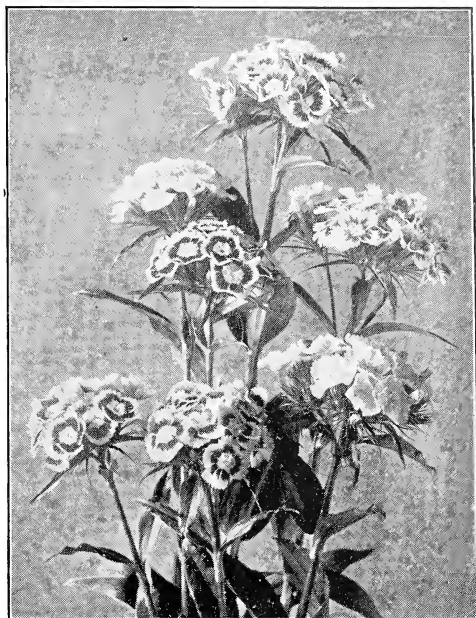
RUBRUM. Large clusters of red flowers.

Veronica - *Speedwell*

AMETHYSTINA. Amethyst-blue flowers; spikes long and good.

LONGIFOLIA SUBSESSILIS. Long spikes; beautiful, blue flowers; plants 3 feet high.

SPICATA. Flowers in June and July; magnificent sprays of bright blue flowers, growing 1½ to 2 feet high.



SWEET WILLIAM

Viola - *Heartsease*

CORNUTA. A form of the tufted Pansy. Clumps are in bloom all through the entire season, particularly in a moist, shady position. Often used as a substitute for the Princess of Wales Violet in the Summer months.

Yucca - *Adam's Needle*

FILAMENTOSA. One of the finest hardy ornamental foliage and flowering plants. Broad sword-like foliage which makes a splendid foil for the delightfully fragrant spikes of creamy white flowers produced during June and July.



VIOLA CORNUTA

LA FRANCE

The Phenomenal Giant Everbearing Raspberry



Autumn-fruited Cane of the new everbearing Raspberry, La France

June-fruited Cane of the new everbearing Raspberry, La France

Superior to any other Raspberry; produces large, juicy berries of finest aroma; very prolific, heavy bearer, absolutely hardy and free from disease.

Limited stock of this valuable food plant will be desseminated early this Spring at \$1.50 each, \$15.00 per doz., for extra strong, field-grown plants.

First-class Certificates of Merit awarded by Massachusetts Hort. Society, American Institute of New York, Horticultural Society of New York, New York Florists' Club, Tarrytown Hort. Society, Nassau County Hort. Society, Morris County Hort. Society, Westchester and Fairfield Hort. Society. Awarded Silver Medals by Hort. Society of New York, Tarrytown Hort. Society, Morris County Hort. Society, Connecticut Hort. Society, etc., etc.



Site of a Plantation

A fine, deep, sandy loam is the most desirable soil.

The most important of all the factors entering into the growing of Raspberries is the moisture supply, and where there is the possibility of a choice, the soil which will furnish an ample supply of moisture at all times should be chosen. At no time, however, should there be wet places in the plantation. Thorough drainage as well as a full supply of moisture is essential.

For home gardens, the chicken yard is frequently a desirable place for the Raspberry patch. Poultry keep down weeds and enrich the soil, and do not often injure the berries.

Preparing the Land

For the best results the plants should never be set in a field which has just been in sod, but should follow some hoed crop. Land which produced a crop of Potatoes the previous year and which has later been plowed and thoroughly pulverized is in the best physical condition for setting the plants, and any field on which crops have been grown which leave the soil in a similar condition is prepared properly for Raspberries.

Planting

In case the plants are not to be set immediately, they should be heeled in; that is, a trench should be dug and the roots placed in it and covered with moist soil. Sometimes it is desirable to wet the roots, or, if they are very dry, to soak them for a few hours before heeling in the plants. Just before setting it is well to dip the roots of the plants in a puddle made of clay and water or cow manure and water. The roots are thereby partially protected from the wind and sun.

Setting the Plants

Before planting, the tops of the plants should be cut back to 6 inches or less in height. If a garden patch is being planted, it is better to cut the canes back to within a few inches of the leader buds. The plants should be set deeper than they formerly grew. A common and inexpensive method of setting the plants is as follows: The rows have been marked out previously and plants have been dropped every 3 feet along the row. The spade is thrust into the ground, the handle pushed forward, and the root placed in the space thus opened. The spade is next withdrawn and the earth firmed about the roots. Plants should not be dropped much ahead of those who are setting them, however, as exposure to the sun and wind weakens the roots.

Moisture Supply in the Soil

From the time Raspberry plants are set, they need an ample supply of moisture, and they are affected more quickly and seriously when it is deficient than most other fruit plants. A deep soil furnishes a uniform and ample supply of moisture at all times. To secure the best results, therefore, the grower should, by tillage and by supplying humus, maintain a uniform and ample moisture content in his soil, not only during the growing and ripening of the fruit but also while the canes are developing.

SUNDRIES

CHRYSANTHEMUM FERTILIZER

This fertilizer, if rightly handled, is the most wonderful plant food for finishing Chrysanthemums that has ever been compounded.

The analysis is as follows:

Total nitrogen, 16 to 18. Equal to ammonia, 20 to 21. Ammonia, 16 to 17. Soluble phosphoric acid, P_2O_5 , 6 to 7. Potash K_2O , 4 to 5.

This fertilizer is absolutely safe when dissolved in water in the proportion of one pound to fifty gallons of water. It may be used in conjunction with natural fertilizers, but in itself it furnishes a complete plant food for not only Chrysanthemums, but any other plants, such as Roses, that are well rooted and will stand the feeding.

Plants may be watered with this fertilizer once a week in the proportion given, and the results will amply testify to its value. 50c. per lb.

CARNATION AND FRUIT FERTILIZER

Similar to the Chrysanthemum fertilizer, so far as the ingredients are concerned, but it will be noted that the percentage of nitrogen is reduced and the percentage of potash greatly increased. This is necessary because experiments have proved that the Carnation is greatly improved by a larger percentage of potash than is needed in the case of softer growing plants. This fertilizer is also wonderfully effective in raising fruits under glass. The potash and nitrogen being balanced in just the right proportion, it produces the most perfect fruits.

Every gardener in the country should try this fertilizer on his Grapes and other fruits. 50c. per lb.

Analysis: Nitrogen, 10 to 12. Equal to ammonia, 12 to 15. Ammonia, 11 to 12. Soluble phosphoric acid, P_2O_5 , 6 to 7. Potash K_2O , 10 to 12. 50c. per lb.

SUCCESSFUL CULTIVATION

demands a knowledge of the habits of plant insects and diseases and of the proper remedies for their control. The following products have the endorsement of the foremost growers of the country and are generally recognized as standard remedies for the insects and diseases for which they are suggested.

APHINE

Aphine is a most effective remedy for all sap sucking insects, the green, black, and white fly (the aphids), thrips, soft scale, and such soft bodied leaf eating insects as the currant and cabbage slugs. It can be safely applied to all flower, fruit and vegetable plants. Quart \$1.00, gallon \$3.00.

FUNGINE

Fungine is a most effective remedy for the control of mildew, rust, and various other fungi effecting flowers, fruits and vegetables. Unlike Bordeaux Mixture and lime and sulphur, Fungine does not stain the foliage when applied, but cleanses it—which is most desirable in garden and greenhouse use. Quart \$1.00, gallon \$3.00.

VERMINE

Vermine is a soil sterilizer and vermicide which will destroy many of the insects and other vermin working in the soil at the roots of plants. It is applied to planted soil whenever roots and plants are attacked by maggots, grubs, worms, or root lice. To rid the ground of vermin before planting, Vermine may be applied in concentrated form, following with a thorough drenching of the soil with the hose. Quart \$1.00, gallon \$3.00.

APHINE, FUNGINE AND VERMINE

APHINE, FUNGINE and VERMINE are not experiments. These products have been on the market for a number of years—have stood the test of time and have been found thoroughly efficient. They meet the requirements of professional and amateur gardeners alike, both in the greenhouse and in the garden.



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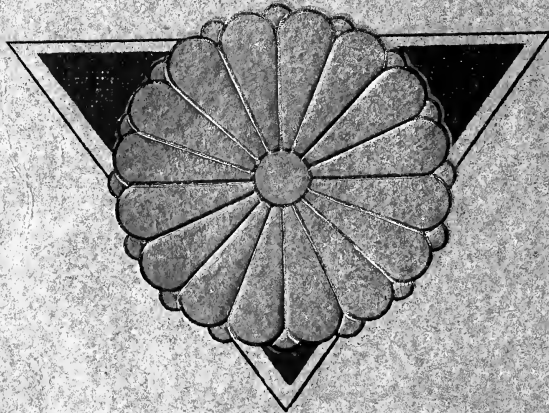
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